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Historic Emissions of Volatile Organic Compounds in the United States from 1900 to 1985

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17. KEY WORDS AND DOCUMENT ANALYSIS

a. DESCRIPTORS	b. IDENTIFIERS/OPEN ENDED TERMS	c. COSATI Field/Group
Pollution	Pollution Control	13B
Organic Compounds	Stationary Sources	07C
Volatility	Volatile Organic Compounds (VOCs)	20M
Emission		14G

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ABSTRACT

The National Acid Precipitation Assessment Program's (NAPAP's) Task Group on Emissions and Controls is responsible for compiling historic emissions estimates of acid deposition precursors. This report presents the results of an effort to estimate historic emissions of volatile organic compounds (VOC) for each state of the contiguous United States. Annual emissions were estimated on the national level from 1900 to 1985. For 1940, 1950, and every fifth year from 1960 to 1985, the national estimates of the U.S. Environmental Protection Agency (EPA) were used. For the other years, national emissions were estimated from national activity data and estimated emission factors for individual source categories. Major source categories include transportation sources, external combustion sources, industrial processes, solid waste disposal, and miscellaneous other sources. State level emissions were estimated by applying allocation factors to the national emission estimates. The emissions of all source categories were aggregated to show the emission trend by state and Federal region and for the United States. Seasonal emissions were estimated for each year. The uncertainty of the emission estimates was calculated based on the methodology developed previously by NAPAP. The data presented in Appendix B are available in Lotus 123 format on floppy diskettes.

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ABBREVIATIONS

bbl	--	barrel (42 U.S. gallons)
cu.ft.	--	cubic feet (0.028317 cubic meters)
gal	--	U.S. gallon (3.7853 liters)
lb	--	pound (0.45359 kilogram)
LTO	--	aircraft landings and take offs
M ton	--	metric ton (1.1023 short tons)
mi	--	mile (1.6093 kilometers)
NA	--	not available
ton	--	short ton (2,000 lb)
VMT	--	vehicle miles traveled

EXECUTIVE SUMMARY

The National Acid Precipitation Assessment Program's (NAPAP's) Task Group on Emissions and Controls is responsible for compiling historic emissions estimates of acid deposition precursors. While sulfur dioxide and nitrogen oxides have long been considered primary precursors of acid precipitation, research is showing that volatile organic compounds (VOC) are also an important constituent in many atmospheric chemical reactions. The historic trend of VOC emissions is important to understanding the role of VOC and other pollutants in the development of observed environmental damage. The historic trend is considered essential to putting current emissions in a long-term perspective and studying rates of change.

In this report, annual estimates of emissions of VOC are presented for each of the contiguous 48 states and the District of Columbia. Emissions were estimated using a detailed methodology for every fifth year from 1900 to 1985. The total VOC emissions of all states are identical to the national emissions reported by the U.S. EPA for common years in the period from 1940 to 1985. Annual emissions were estimated by apportioning the national estimates for every fifth year according to yearly activity indicators representing the major source categories.

For each state, VOC emissions were estimated for the following major source categories:

1. Transportation sources
2. External fuel combustion sources
3. Industrial processes
4. Solid waste disposal
5. Miscellaneous other sources

Emissions were calculated by aggregating the emissions estimated for smaller categories comprising each major category. These subcategories represent sources for which emission factors and activity indicators could be obtained directly from the U.S. EPA national trends estimates. Collectively, these source categories are considered to account for all anthropogenic emissions.

The trend in VOC emissions from 1900 to 1985 is presented in Figure A. A peak is evident around 1930 and is due to the occurrence of wildfires at that time. Emissions grew until the early '70s, when emission controls were implemented for automobiles and industrial processes.

Figure B illustrates the shifting contributions of source categories over time. In early years, combustion sources (primarily wood) contributed most of the VOC emissions. Since about 1940, the transportation sector has dominated other VOC

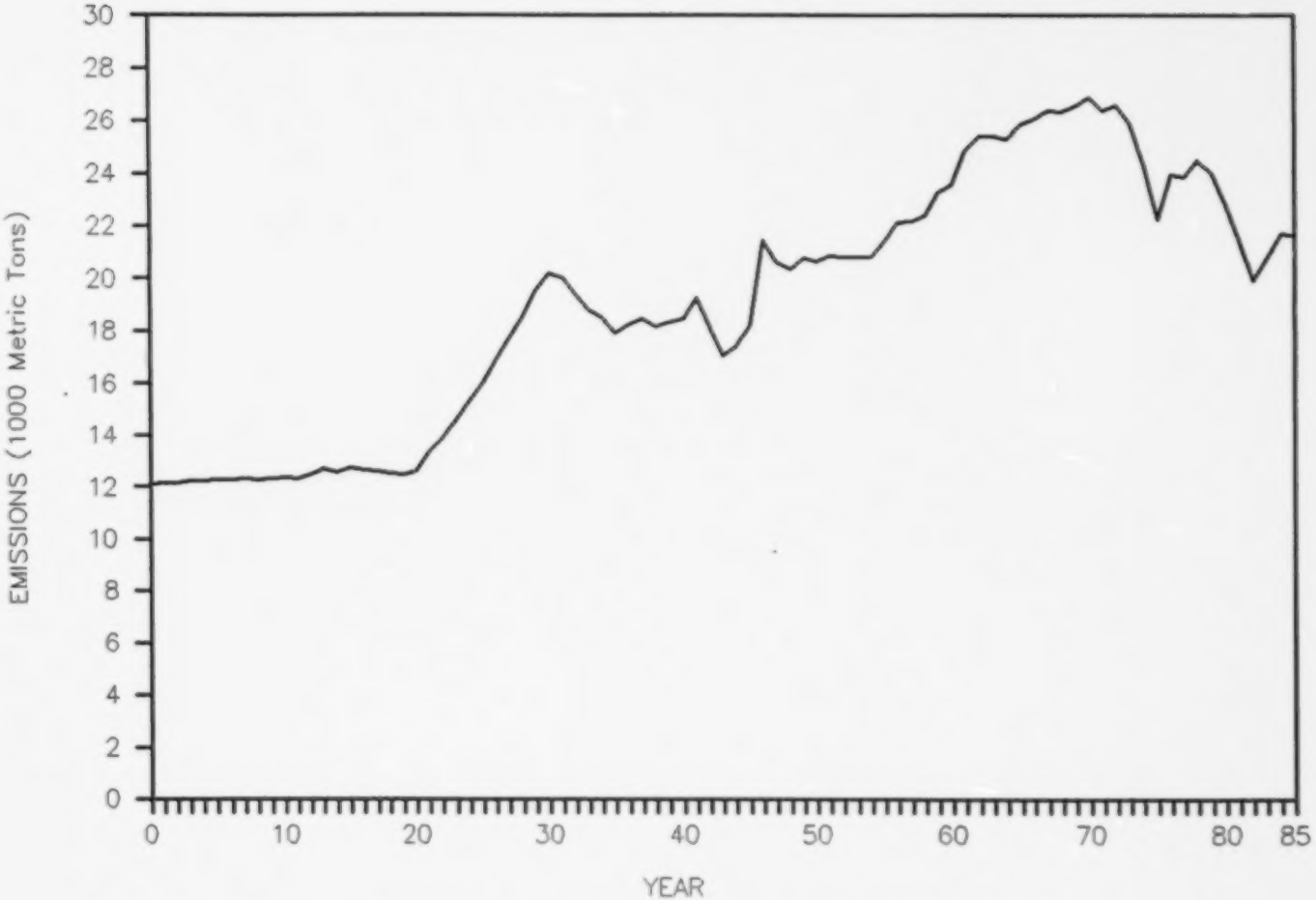

Figure A. Total VOC emissions trend for the United States from 1900 to 1985.

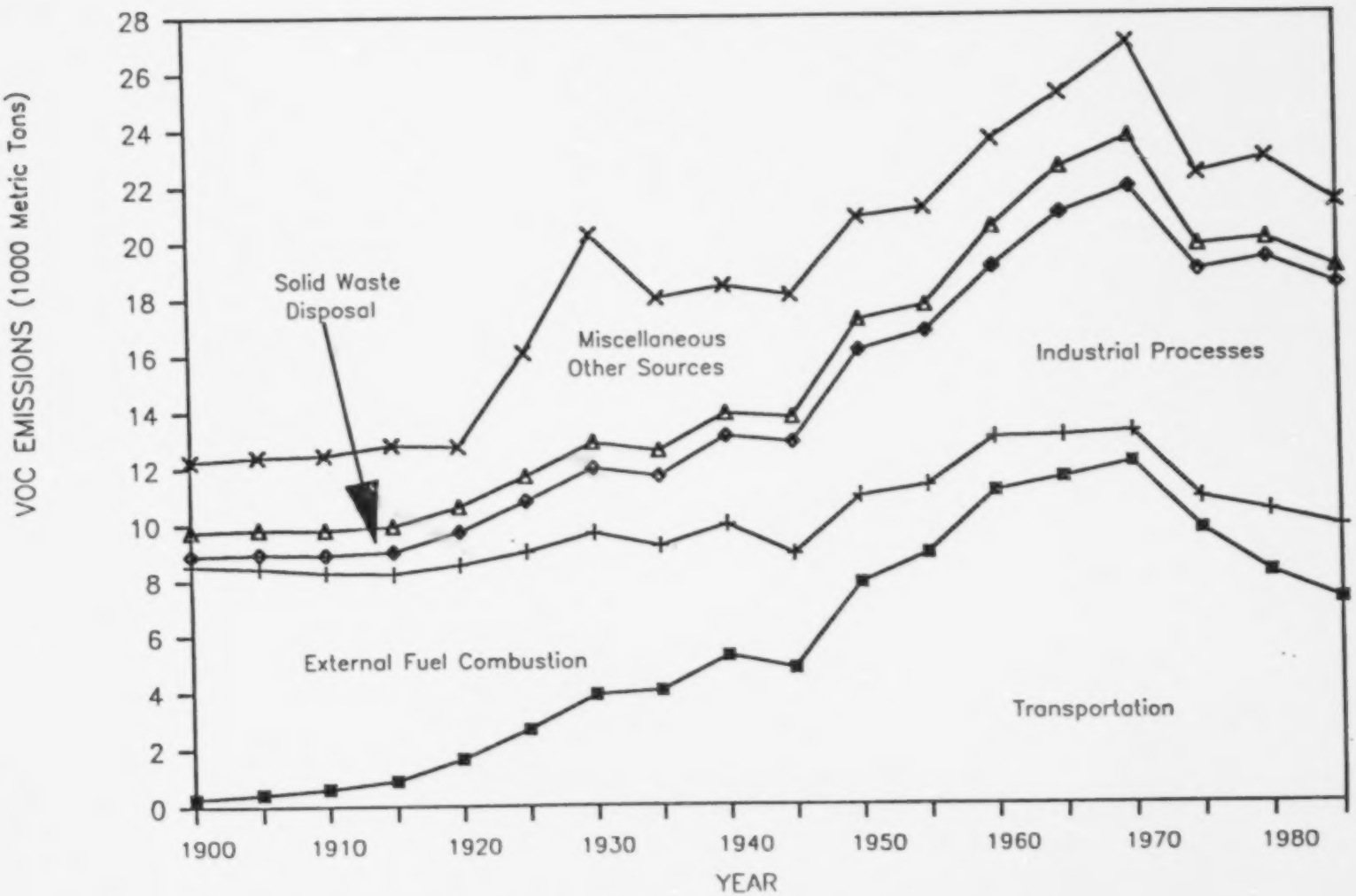

Figure B. Overall trend in VOC emissions by source category.

emission categories. The emissions of industrial sources have also risen considerably since 1940.

A seasonal analysis of the historic VOC data indicates that emissions in the early 1900s occurred primarily in the fall and winter, due to fuel combustion for home heating. The seasonal emissions in recent years are more evenly distributed.

The application of the NAPAP uncertainty methodology, in this illustrative example suggests an uncertainty of 28 percent for 1985, increasing to over 500 percent for 1900. The increase is due to the generally poorer quality of the activity and emission factor data available for early years.

State-level activity and emissions data by source category are available in Appendix B to this report and in Lotus 123 format on floppy disks.

SECTION 1

INTRODUCTION

Volatile organic compounds (VOC) are considered important to the formation of photochemical smog and ozone. While sulfur dioxide and nitrogen oxides have long been considered primary precursors of acid precipitation, research is showing that VOC is also an important constituent in many atmospheric chemical reactions. The historic trend of VOC emissions is important to understanding the role of VOC and other pollutants in the development of observed environmental damage. The historic trend is considered essential to putting current emissions in a long-term perspective and studying rates of change.

Annual estimates of emissions of VOC are presented for each of the contiguous 48 states and the District of Columbia. Emissions were estimated using a detailed methodology for every fifth year from 1900 to 1985. The state level and the five year interval were selected to produce estimates comparable to the historic estimates of sulfur dioxide and nitrogen oxides provided by Gschwandtner et al.[1] The VOC emissions are consistent in methodology from year to year and state to state. In addition, the total VOC emissions of all states are identical to the national emissions reported by the U.S. EPA for common years in the period from 1940 to 1985.[2] Annual emissions were estimated by apportioning the national estimates for every fifth year according to yearly activity indicators representing the major source categories.

For each state, VOC emissions were estimated for the following major source categories:

1. Transportation sources
2. External fuel combustion sources
3. Industrial processes
4. Solid waste disposal
5. Miscellaneous other sources

Values were calculated by aggregating the emissions estimated for smaller categories comprising each major category. These subcategories represent sources for which emission factors and activity indicators could be obtained directly from the U.S. EPA national trends estimates.[2] Collectively, these source categories are considered to account for all anthropogenic emissions.

This report summarizes the estimation methodology and results. Specific methods of data production are described, and the seasonal distribution of VOC emissions and the estimated uncertainty of the national emission estimates are presented.

The national emission estimates by source category are presented in Appendix A. The state-level emission estimates by source category are presented in Appendix B.

SECTION 2

EMISSIONS ESTIMATION METHODOLOGY

BACKGROUND

Several methods for estimating historic emissions were considered prior to beginning this study. Ideally, the same method that was used previously for estimating historic SO_2 and NO_x emissions could be used. This method involved deriving emission factors and activity data for source categories at the state level and calculating the emissions. In the case of VOC, emission factors were considered generally less precise and subject to greater uncertainty than the factors for SO_2 and NO_x. Also, considering budgetary limitations imposed on this study, this method was not feasible.

A simpler method was considered that involved classifying sources into four broad categories: transportation sources, external fuel combustion sources, industrial processes, and other miscellaneous sources. An investigation was conducted to determine whether the emissions from these sources correlated with national statistical indicators such as highway vehicle registrations, population, gross national product, and other readily available data. A good correlation could allow usage of the indicator as a means of extralopating emissions to earlier years for which emissions data are nonexistent, and to the state level. For these broad categories and indicators, however, the correlations were poor. Attempts were made to improve the correlation, at least on the national level, by mathematically adjusting the statistical indicators for different periods of time. However, these indicators would not necessarily provide meaningful results on the state level because they were too broadly defined.

Rationale for Selected Method

An alternative method was selected that would provide meaningful results and that could be implemented within the budget constraints of this study. The method involved analysis of the national total VOC emissions trend from 1940 to 1985 reported by the U.S. EPA.[2] These annual emissions estimates consist of emission calculations for hundreds of individual source categories, and are considered to be the most thorough estimates of emissions on the national level. For the purposes of this study, many small individual source categories for which the EPA calculates emissions individually were combined into larger categories that would be more manageable for an historic analysis.

Selection of Source Categories. Given the project constraints, fewer source categories were selected than are contained in either the EPA trends or in the previous emission

estimates of Gschwandtner et al.[1] The source categories selected consist of five broad categories and corresponding subcategories. These are listed in Table 1. Collectively, these categories account for the same total anthropogenic emissions as the EPA trends. The subcategories shown provide the greatest resolution of major emission trends on the national level. They also provide a means of estimating state-level emissions because for each subcategory, state-level data exist.

Technical Approach. Having defined source categories for which both national and state-level data were available, the next steps were to estimate the national VOC emission trend from 1900 to 1940 and to disaggregate the national emission trend to the state level.

The disaggregation procedure was made possible using many of the state level activity data that had been collected in the previous study.[1] As a result, reasonable estimates could be made on the state level which were somewhat sensitive to the actual activities in each state.

The selected methodology consisted, then, of the following three procedures, which are described in detail below.

1. Estimating the total national VOC emissions for 1900 to 1985.

2. Estimating the total VOC emissions by source category for only the contiguous United States.

3. Estimating the state-level VOC emissions by source category.

DERIVATION OF NATIONAL EMISSIONS

For 1940, 1950, and every fifth year from 1960 to 1985, the total national VOC emissions were obtained directly from the U.S. EPA.[2] The reported total emissions were disaggregated according to source categories which collectively accounted for all emissions and which also enabled calculation of emissions for the other study years. The subcategories comprising each major category are listed in Table 1. For each subcategory, the corresponding national activity indicators were obtained directly from the U.S. EPA.[2]

National Emission Factors

For each subcategory, the reported total national emissions were divided by the corresponding total activity reported to obtain an overall emission factor representative of the subcategory. It was found that for most of these source categories, the emission factor changed over time. The change was partly due to the change in the relative activity of smaller source categories comprising each subcategory. The change was

TABLE 1. SOURCE CATEGORIES AND STATE ACTIVITY INDICATORS

Source Category/ Subcategory	State Level Activity Indicator
TRANSPORTATION	
Highway Vehicles.	Highway Vehicle Gasoline plus Diesel Consumption[a]
Aircraft.	Population
Railroads- Oil-fired. . .	Railroads Oil Consumption
- Coal-fired . .	Railroads Coal Consumption
Vessels- Oil-fired. . . .	Vessels Oil Consumption
- Coal-fired . . .	Vessels Coal Consumption
Other Off-Highway Use . .	Off-Highway Fuel Use
EXTERNAL FUEL COMBUSTION	
Anthracite Coal	Anthracite Consumption
Bituminous Coal	Bituminous Consumption
Residual Oil.	Residual Oil Consumption
Distillate Oil.	Distillate Oil Consumption
Natural Gas	Natural Gas Consumption
Wood.	Wood Consumption
Coke and Other Fuels. . .	Coke Production
INDUSTRIAL PROCESSES	
Petrol. Refinery Process Operations.	Crude Oil Run
Manufacture of Petrochemicals.	Population
Petrol. Production	
- Crude Oil.	Crude Oil Production
- Nat. Gas Liquids .	Crude Oil Production
Petrol. Marketing	
- Gasoline	Highway Vehicle Gasoline Consumption[a]
- Other.	Consumption of Diesel plus Distillate Fuel
Surface Coating Operations.	Population and Cement Production
Misc. Indust. Processes .	Population
- Carbon Black Mfg..	VMT
SOLID WASTE DISPOSAL	
Incineration.	Population
Open Burning.	Population
MISCELLANEOUS OTHER SOURCES	
Wildfires	Area Burned
Prescribed Fires.	State Land Area minus Wildfire Area
Other Burning	State Land Area minus Wildfire Area
Other Solvent Evaporation	Population

[a] For 1970 to 1980, based on state VMT.

also due to the changing emission factor of these smaller source categories, which also determined the relative emission contribution. For more recent years, the change was also due to control efficiencies which are factored into the EPA calculations.

The yearly emission factors for each subcategory were then plotted as a function of time. These plots served as a basis for estimating the emission factors for earlier years. Since the emission factors are unknown for 1900, it was necessary to extrapolate a possible value based on the trend in the emission factors for available years. The procedure involved considerable judgment. The rationale behind the procedure is discussed below.

The extrapolation of the trend in emission factors to earlier years involved consideration of the possible range in emission factor values, the rate of change from 1940 to 1985, and the shape of the curve. For example, it is impossible for a subcategory emission factor to exceed the value of the highest emission factor associated with a source included in the category. In the case of the bituminous coal subcategory, for example, it is not possible for the composite emission factor to exceed the value of the emission factor for residential coal furnaces and stoves. This condition therefore constrained the values selected to represent emission factors for the early years.

The rate of change in the emission factor from 1940 to 1980 provided an indication of the possible rate of change from 1900 to 1940. For example, a significant change between 1940 and 1950 was interpreted to mean that the emission significantly changed from 1930 to 1940 also. In the case of crude oil production, where the emission factor was nearly constant from 1940 to 1980, the earlier year factor was also considered to be nearly constant. In the case of highway vehicles, the emission factor decreased from 1940 to 1985 with the greatest change in the more recent years. As a result, only a gradual increase was assumed back to 1900.

The shape of the curve provided additional information. For example, the emission factors for the subcategory "coke and other fuels" showed considerable fluctuation between 1940 and 1985. Therefore, the earlier year emission factors were represented by a wide range of possible values. In the case of wood combustion, the curve was smooth and regular from 1940 to 1985. Therefore, a smaller range was assumed for the earlier years.

The emission factors used are shown in Appendix A. For those subcategories for which the emission factor changed with time, the calculated and extrapolated emission factor values are presented graphically. The values selected may be changed in the future as a result of further research or study of specific subcategories.

National Activity Indicators

The national activity indicators corresponding to each subcategory were obtained from various publications for 1900 to 1935, 1945, and 1955.[3-7] For the other study years, activity indicators for each subcategory were obtained from the U.S. EPA.[2] The total national activity data for each subcategory are presented in Appendix A. Each national activity indicator was multiplied by the corresponding emission factor to obtain an estimate of total national VOC emissions. As a result of this methodology, the total national VOC emissions reported by the U.S. EPA have been extended to an earlier period of time for which VOC emissions were previously unreported.

CONTIGUOUS U.S. EMISSIONS BY SOURCE CATEGORY

The sum of the activity indicators for Alaska, Hawaii, and territories of the United States had to be subtracted from the national activity indicators in order to provide activity indicators for the contiguous United States. The new activity of each source category was multiplied by the corresponding national emission factor to yield an estimate of the total emissions for the contiguous United States. The calculation is described as follows:

$$E_{ij} = EF_{ij} \times A_{ij} \qquad \text{(eq. 1)}$$

where E = VOC emissions

EF = National emission factor

A = Activity

i = Year

j = Source category

This procedure was used to estimate the emissions of each source category in the contiguous United States for 1900 to 1935, 1945, and 1955. The resulting estimates served as the basis for deriving the state level historic emissions.

STATE LEVEL EMISSIONS

For each state and the District of Columbia, activity indicators were collected that represented the total activity of each subcategory in each study year. For categories involving fuel combustion, the indicators were obtained from Gschwandtner et al.[1] For the industrial processes category, historic statistical data representing the activity of petroleum production and processing were obtained from the American Petroleum Institute.[3] The state activity data were normalized so that the sum of the state activities equaled the total activity reported by the U.S. EPA[2]. The statewide emissions of aircraft,

petrochemicals manufacturing, surface coating, miscellaneous industrial processes, incineration, and open burning were assumed directly proportional to state population. This assumption appeared reasonable considering that the growth in these subcategories is generally related to growth in population. Also, population statistics are readily available, while more specific indicators for these subcategories are not. The sources of the state level activity indicators are presented in Appendix C with a description of how certain indicators were derived.

The state level VOC emissions were calculated by source category according to the following equation:

$$E_{ijk} = E_{ij} \times \frac{SA_{ijk}}{NA_{ij}} \qquad \text{(eq. 2)}$$

where E = VOC emissions

SA = State activity indicator

NA = National activity indicator

i = Year

j = Source category

k = State

For 1985, state level emissions were estimated by apportioning the 1985 national emissions according to 1980 state level activity data. 1980 is the latest year for which detailed state activity data are readily available from existing data bases.[1] A detailed 1985 emission inventory is currently being developed for NAPAP. When this inventory is completed, it can be used as the basis for 1985 state-level emissions.

The individual source categories, together with the corresponding activity indicators used to represent the activity on the state level, are shown in Table 1. The calculated emissions were added both by source category and state for each study year.

NATIONAL ANNUAL EMISSIONS

Yearly emissions were estimated by interpolating the national estimates for every fifth year according to yearly activity indicators representing the major source categories. The categories and the activity indicators selected are shown in Table 2. The values of the indicators were taken from Gschwandtner et al.[1] Since population statistics are available only for every tenth year, yearly population was estimated by linear interpolation of available census data.

TABLE 2. INDICATORS OF YEARLY EMISSIONS

Source Category	Yearly Activity Indicator[a]
TRANSPORTATION	
Highway Vehicles.	Gasoline and Diesel Consumption
All Other Subcategories . .	Population
EXTERNAL FUEL COMBUSTION	
Anthracite Coal	Anthracite Consumption
Bituminous Coal.	Bituminous Coal Consumption
Residual & Distillate Oil .	Fuel Oil Consumption
Natural Gas	Natural Gas Consumption
Wood.	Wood Consumption
Coke and Other Fuels. . . .	Population
INDUSTRIAL PROCESSES	
Manufacture of Petrochemicals	Population
Surface Coating	Population
Petroleum Marketing	Gasoline and Diesel Consumption
All Other Subcategories . .	Crude Oil Consumption
Solid Waste Disposal.	Population
Miscellaneous Other Source. .	Population

[a] All indicators, except population, are reported in Table A-1, Volume I of reference 1. Population is reported by the U.S. Bureau of Census.

This method was selected since the necessary data were readily available. A more precise estimate of yearly emissions would require yearly activity indicators that are more specific to each individual source category. The indicators selected in this study were considered to be adequate for a basic methodology.

The method is based on the following assumed proportional relationship:

$$\frac{E_{i+k} - E_{i+k-1}}{E_{i+5} - E_{i+k-1}} = \frac{A_{i+k} - A_{i+k-1}}{A_{i+5} - A_{i+k-1}} \qquad \text{(eq. 4)}$$

where E = Total national VOC emissions

A = National activity indicator

i = Study year (i.e., 1900, 1905,...,1980)

k = Integer (1, 2, 3, or 4) to represent each intervening year

Solving this relationship for E_{i+k}, yields the following equation.

$$E_{i+k} = (E_{i+5} - E_{i+k-1}) \times \frac{A_{i+k} - A_{i+k-1}}{A_{i+5} - A_{i+k-1}} + E_{i+k-1} \qquad \text{(eq. 5)}$$

For example, the total national VOC emissions in 1903 are calculated using the estimated emissions for 1900, 1902, and 1905 as follows:

i = 1900
k = 3

$$E_{1903} = (E_{1905} - E_{1902}) \times \frac{A_{1903} - A_{1902}}{A_{1905} - A_{1902}} + E_{1902} \qquad \text{(eq. 6)}$$

This equation is based on the ratio of the changes in the national activity to the change in the total national VOC emissions. It was applied to each of the source categories shown in Table 2. For example, for the years 1900 to 1970 emissions from highway vehicles in 1938 (i=1935, k=2) are calculated using the national emissions estimated for 1935 and 1940 and the corresponding national activity data. The calculation procedure

begins with 1901; the results for 1901 are then used for estimating 1902 and so on. For each year, the equation was applied to each major fuel-burning category. For 1971 to 1985, the total emission estimates were taken directly from the U.S. EPA.[2]

For the population-related categories, the following equation was used.

$$E_{i+j} = E_i + (E_{i+5} - E_i) \times j/5 \qquad \text{(eq. 7)}$$

where E = Total national VOC emissions

i = study year

j = integer (1, 2, 3 or 4) to represent each intervening year.

SECTION 3

RESULTS AND DISCUSSION

The total VOC emissions of the contiguous United States from 1900 to 1985 are presented in Table 3. For 1940, 1950, and 1960 to 1985, the emissions are the same as those reported by the U.S. EPA for the nation, less the estimated emissions of Alaska, Hawaii, and U.S. territories. The emission factors and the activity data for each source category used to produce this table are presented in Appendix A. The VOC emissions shown in Table 3 for years prior to 1940 are based on the emission factors and the total activity for each source category using the methodology described in Section 2.

EMISSIONS BY SOURCE CATEGORY

Figure 1 shows the total VOC emissions for the contiguous United States estimated for each study year and interpolated for the intervening years. The total VOC emissions have increased over the study period with peaks around 1930 and 1970. In 1930, the emissions were higher due mostly to a larger-than-usual number of wildfires, especially in the southeastern and south central states. By 1970, emissions had increased as a result of generally greater activity, especially in the transportation and industrial process categories. After 1970, the total VOC emissions appear to decrease primarily as a result of improved emission control efficiencies on automobiles and many industrial processes, as reflected in the emission factors derived for many of these source categories.

The percentage contribution of each major source category to the total VOC emissions is shown in Table 4. In 1900, transportation sources contributed 2 percent of the total emissions. By 1960, these sources contributed nearly half of the total VOC emissions. Also, the percentage contribution of industrial processes increased from about 3 percent in 1900 to 26 percent in 1960 and 39 percent in 1980. External fuel combustion was a major category from 1900 to 1940, but the percentage contribution has decreased since then. Similarly, the contribution by miscellaneous other sources has also decreased with time, primarily due to the success of fire prevention programs. The percentage contribution of solid waste disposal appears to have remained nearly constant over time.

Figure 2 shows the overall trend in VOC emissions from each major category for the contiguous United States. The figure shows the declining contribution of external fuel combustion sources and the increasing contribution of transportation sources and industrial processes. In the 1920s and 1930s, wildfires contributed significantly to the total VOC emissions which results in the intermediate peak. The contribution of wildfires may also have been significant in earlier years, although exact

TABLE 3. VOC EMISSIONS OF THE CONTIGUOUS UNITED STATES FROM 1900 TO 1985

(1000 Metric Tons)

SOURCE CATEGORY	1900	1905	1910	1915	1920	1925	1930	1935	1940	1945	1950	1955	1960	1965	1970	1975	1980	1985
TRANSPORTATION (Total)	263.4	428.5	590.7	887.9	1586.7	2692.7	3918.9	4065.7	5275.3	4824.0	7849.3	8905.5	11063.6	11523.5	12047.8	9658.2	8141.9	7146.3
Highway Vehicles	0.9	8.1	51.5	261.9	831.5	1916.0	3157.4	3416.1	4507.7	3734.1	6797.8	7919.1	9982.4	10210.0	11076.7	8410.9	6902.3	5964.8
Aircraft	0.0	0.0	0.0	0.1	0.6	1.0	1.4	2.0	2.6	52.5	120.4	177.4	244.8	404.9	249.2	188.7	180.4	186.1
Railroads- Oil-fired	2.2	2.6	12.4	27.1	64.4	123.1	115.8	94.9	116.1	195.6	186.9	162.8	157.1	154.2	154.5	159.8	181.5	130.6
- Coal-fired	260.3	417.5	524.5	587.1	649.6	539.0	463.6	363.0	393.6	583.8	280.9	75.2	10.7	5.6	3.3	1.3	0.6	0.0
Vessels- Oil-fired	NA	NA	NA	NA	NA	27.0	35.6	29.8	26.9	60.7	43.7	114.8	167.7	217.5	25.3	396.9	401.8	414.7
-Coal-fired	NA	NA	NA	NA	NA	NA	NA	NA	13.6	11.4	9.3	6.8	4.3	4.6	4.9	1.3	0.0	0.0
Other Off-Highway Use	0.0	0.4	2.3	11.7	40.6	86.6	145.2	159.9	214.9	185.8	410.3	449.3	501.6	526.7	533.9	499.3	475.3	450.1
EXTERNAL FUEL COMBUSTION (Total)	8284.6	8018.0	7694.0	7358.1	6901.2	6342.8	5769.6	5161.3	4694.7	4096.3	3101.7	2403.7	1899.6	1485.8	1103.6	1126.0	2186.5	2621.3
Anthracite Coal	162.7	215.8	228.7	235.5	233.3	170.4	175.8	130.3	113.2	124.2	88.3	60.2	45.0	25.3	15.4	5.2	3.9	5.8
Bituminous Coal	171.8	266.0	335.1	412.0	432.5	457.2	410.6	307.3	316.9	361.7	254.4	179.6	134.6	87.6	60.6	36.2	37.9	45.4
Residual Oil	NA	NA	NA	NA	NA	7.0	1.9	1.9	7.2	3.6	4.4	4.5	5.4	5.6	8.7	9.8	8.6	3.7
Distillate Oil	NA	NA	NA	NA	NA	0.5	0.8	1.2	1.8	2.2	4.7	5.5	6.0	7.5	9.5	13.4	7.3	5.2
Natural Gas	7.9	9.9	11.7	13.4	16.0	21.9	7.9	23.7	23.6	46.5	43.8	46.6	77.8	89.1	88.3	83.2	74.7	67.4
Wood	7923.4	7507.7	7098.2	6679.0	6201.6	5675.7	5157.4	4685.1	4214.7	3535.8	2691.8	2074.3	1621.2	1266.4	911.7	966.7	2043.6	2484.6
Coke and Other Fuels	18.9	18.5	20.2	18.2	17.7	15.1	15.1	11.9	22.3	21.5	14.3	12.9	9.6	4.3	9.5	11.4	10.5	9.2
INDUSTRIAL PROCESSES (Total)	357.1	511.2	627.6	790.6	1187.3	1784.9	2301.7	2478.8	3137.7	3939.3	5181.0	5401.0	6071.0	8749.2	8639.9	8077.2	8935.4	8545.9
Petroleum Refinery Process Operations	3.1	63.4	95.1	125.7	202.0	309.1	346.1	352.1	435.9	476.1	534.3	672.9	691.8	704.5	716.9	877.4	965.4	751.9
Manufacture of Petrochemicals	0.2	2.9	4.0	5.0	7.1	11.0	11.5	11.7	14.6	41.6	64.1	129.7	197.7	313.6	546.3	660.3	759.7	776.8
Petrol. Production- Crude Oil	0.4	8.5	13.0	17.8	28.0	48.3	56.8	63.0	85.5	106.3	124.7	156.9	162.6	179.2	216.8	188.4	161.3	164.7
- Nat.Gas Liquids	0.1	1.6	2.4	3.3	5.2	9.0	10.6	11.7	15.9	39.8	45.9	82.9	85.9	111.3	152.7	150.2	145.1	148.0
Petrol. Marketing - Gasoline	0.2	1.3	8.3	39.6	130.9	267.8	407.5	425.2	535.3	463.4	832.5	785.9	1180.8	1285.5	1560.9	1739.6	1515.4	1399.9
- Other Prod.	0.6	12.9	19.7	26.4	43.2	68.5	77.3	81.5	103.9	122.1	118.3	172.2	167.7	178.5	196.6	210.8	234.2	209.8
Surface Coating Operations	351.2	388.1	425.0	456.7	488.5	528.1	567.7	588.4	609.0	1165.2	1244.0	1361.3	1476.5	1530.0	2389.5	1884.3	2315.3	2441.1
Misc. Indust. Processes	1.3	31.4	52.5	77.9	145.6	270.8	358.3	447.3	681.3	934.8	1360.2	1538.7	1632.3	3591.6	2609.3	2273.3	2756.0	2580.5
- Carbon Black Mfg.	0.1	1.2	7.5	38.2	131.7	277.3	465.9	497.9	656.3	586.1	857.0	500.7	475.8	355.0	250.9	92.9	83.0	74.0
SOLID WASTE DISPOSAL (Total)	734.8	759.9	778.3	782.0	781.7	797.8	815.3	814.3	811.1	1039.3	1078.0	1286.5	1398.0	1648.8	1792.2	880.4	669.2	601.1
Incineration	471.3	468.7	459.4	439.2	415.2	401.6	389.4	372.8	354.1	431.0	436.2	432.7	471.8	539.1	500.2	411.2	331.9	299.6
Open Burning	263.5	291.2	318.9	342.7	366.6	396.3	426.0	441.5	457.0	608.3	641.9	853.9	926.2	1109.8	1292.0	469.2	337.3	301.5
MISCELLANEOUS OTHER SOURCES (Total). . . .	2482.1	2569.0	2655.9	2899.4	2137.5	4393.6	7365.6	5408.4	4537.9	4332.1	3448.4	3448.1	3106.3	3004.9	3309.1	2511.9	2865.1	2730.8
Wildfires	1444.6	1444.6	1444.6	1613.2	776.5	2939.3	5018.0	3812.2	2843.2	2243.2	1202.5	1020.1	551.7	465.0	390.6	245.2	659.2	785.7
Prescribed Fires	210.1	210.1	210.1	210.1	210.1	210.1	210.1	210.1	260.0	267.7	341.3	306.5	341.3	295.7	256.7	257.7	239.1	246.5
Other Burning	359.1	396.8	434.6	467.0	499.5	540.0	580.5	601.6	627.7	615.2	610.7	586.5	548.3	411.2	331.8	117.1	100.1	91.9
Organic Solvent Evaporation	468.3	517.4	566.6	609.0	651.4	704.2	756.9	784.5	812.0	1212.1	1294.0	1535.0	1665.0	1833.0	2330.0	1892.0	1866.7	1606.8
TOTAL (ALL SOURCE CATEGORIES)	12122.1	12286.6	12346.5	12718.0	12589.4	16011.8	20171.1	17928.4	18456.7	18232.0	20658.5	21444.9	23538.5	25912.3	26892.7	22253.7	22798.1	21645.4

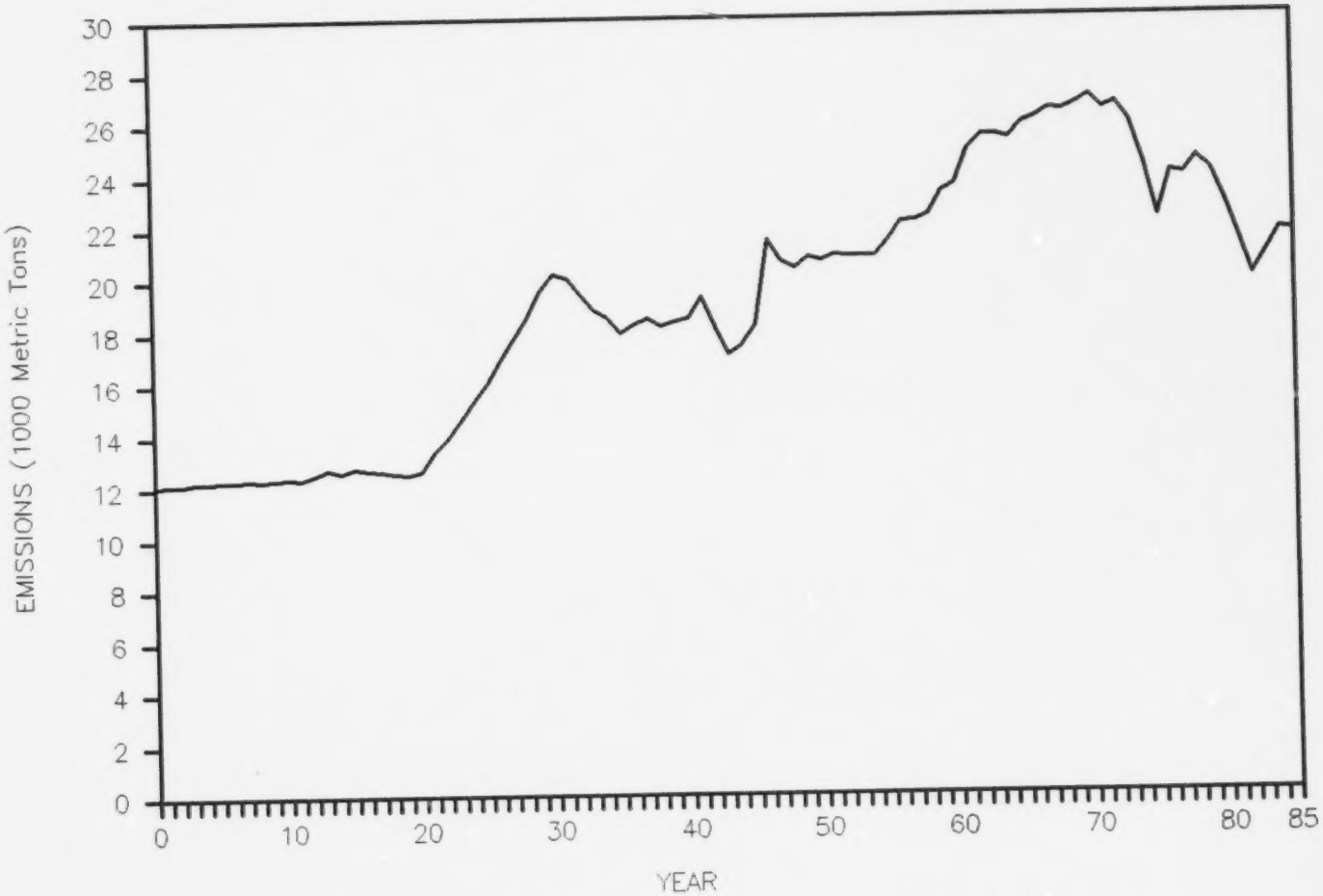

Figure 1. Total VOC emission trend for the United States from 1900 to 1985.

TABLE 4. PERCENTAGE CONTRIBUTION BY MAJOR SOURCE CATEGORY

	YEAR				
Major Source Category	1900	1920	1940	1960	1980
Transportation	2.2	12.6	28.6	47.0	35.7
External Fuel Combustion	68.3	54.8	25.4	8.1	9.6
Industrial Processes	2.9	9.4	17.0	25.8	39.2
Solid Waste Disposal	6.1	6.2	4.4	5.9	2.9
Miscellaneous Other Sources	20.5	17.0	24.6	13.2	12.6
Total	100.0	100.0	100.0	100.0	100.0

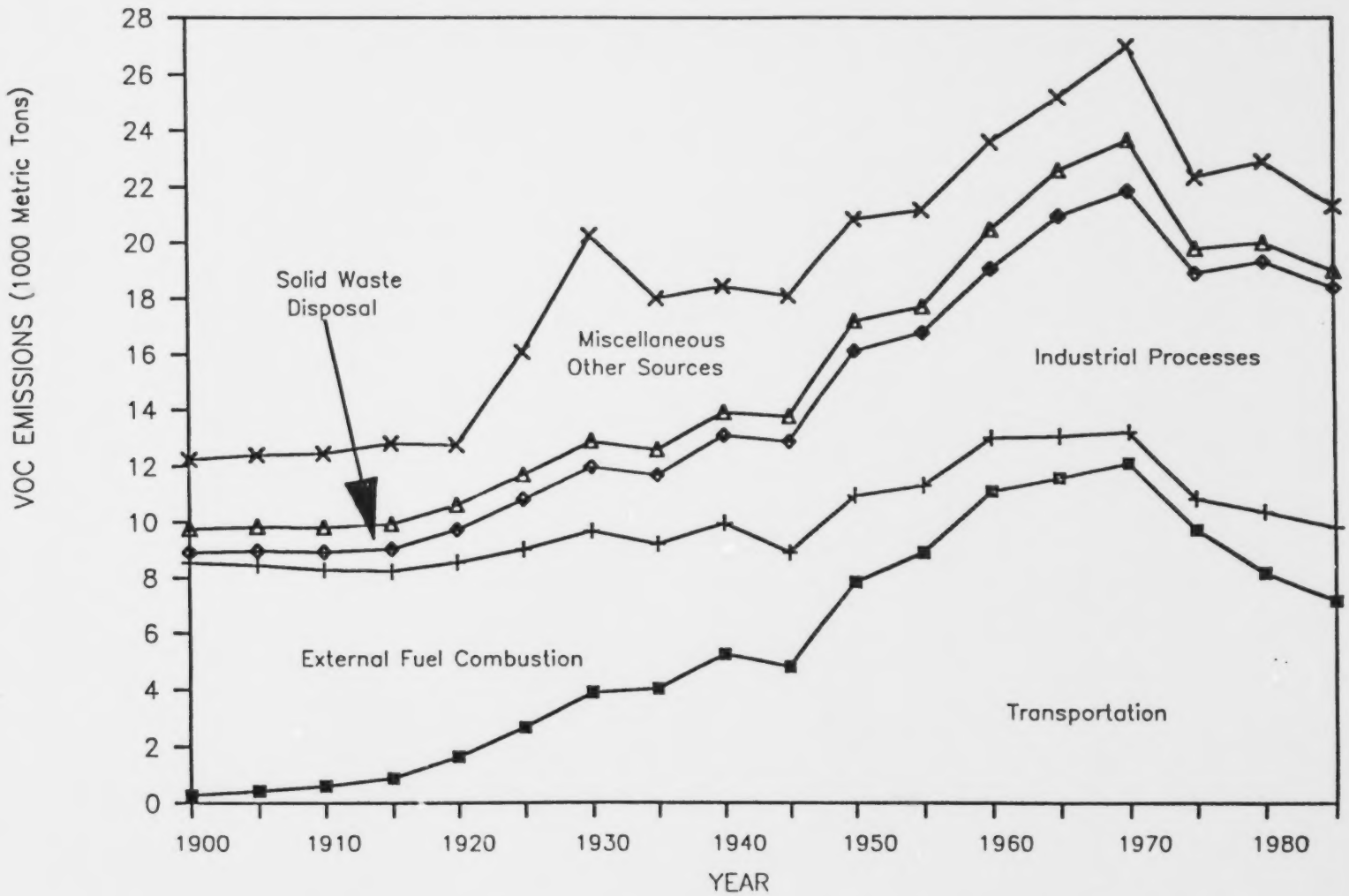

Figure 2. Overall trend in VOC emissions by source category.

statistics are not available. From 1970 to 1985, the emissions of many source categories decreased, despite increased activity, as a result of implementing emission controls as reflected in the estimated emission factors.

Figure 3 shows the historic VOC emissions trend of major source categories and subcategories. The relative contribution of each subcategory to the overall emissions is shown.

COMPARISON TO SO_2 AND NO_x EMISSIONS

Figure 4 shows the total VOC emissions estimated in this study and the total yearly SO_2 and NO_x emissions estimated by Gschwandtner et al. for 1900 to 1980.[1] The figure shows that the emissions of each of these pollutants have changed over time, but to different degrees. NO_x emissions have increased nearly steadily since 1900, while SO_2 emissions have gradually increased from 1900 to 1980 with considerable changes during certain shorter periods of time. VOC emissions have also increased, but the rate of increase appears to be less than that of NO_x and more than SO_2, at least on the national level.

Since the 1940's, transportation and industrial process combined have contributed most of the VOC emissions. Transportation sources are also major contributors of NO_x. As shown in Table 5, the ratio of VOC/NO_x emissions on the national scale has decreased from 5.1 (based as the median VOC emission estimate in 1900) to 1.1 in 1980, despite an increase in the total emissions of each pollutant. The ratio of VOC to NO_x is an important tool in modeling photochemical pollution such as ozone and smog, and in determining emission reductions necessary to attain national ambient standards for ozone.

For states such as Oregon, Washington, and Idaho where wood burning was the predominant source, the VOC/NO_x ratio has decreased from about 20 to 1. For industrial states such as New York, Ohio, and Illinois, the ratio has changed the least due to a mix of predominant sources that collectively emit VOC and NO_x in comparable amounts.

The ratio of VOC/SO_2, however, has remained about equal to unity over the study period, even though these pollutants are emitted by different sources and to different degrees. Figure 5 shows graphically the historic ratios of VOC emissions to SO_2 and NO_x emissions.

EMISSIONS BY FEDERAL REGION

The historic VOC emissions from the major source categories for each Federal region are presented graphically in Figure 6. Again, the decreasing contribution of external combustion sources and the increasing contribution of transportation sources is clearly evident.

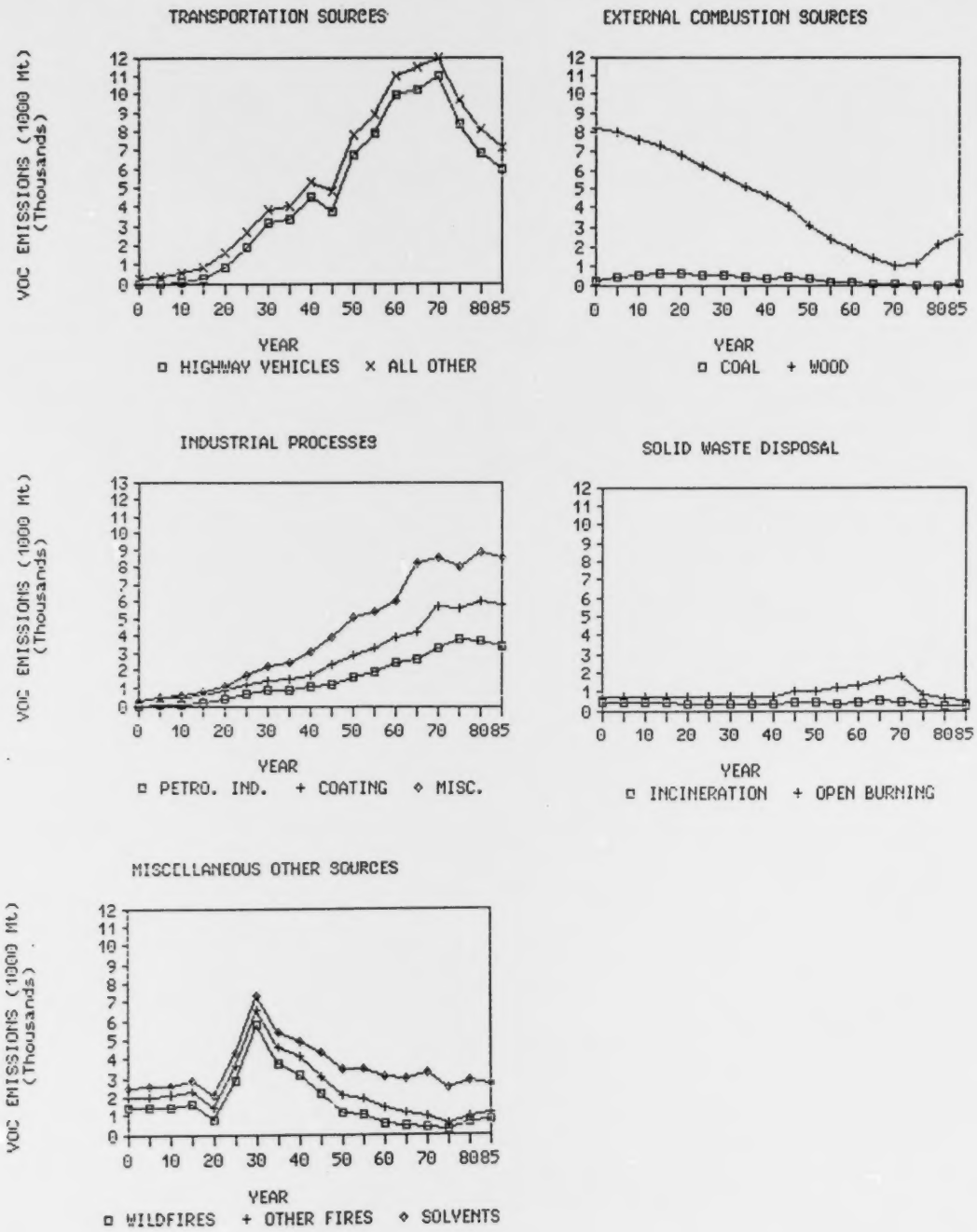

Figure 3. Historic VOC emission trends for the contiguous United States by subcategory.

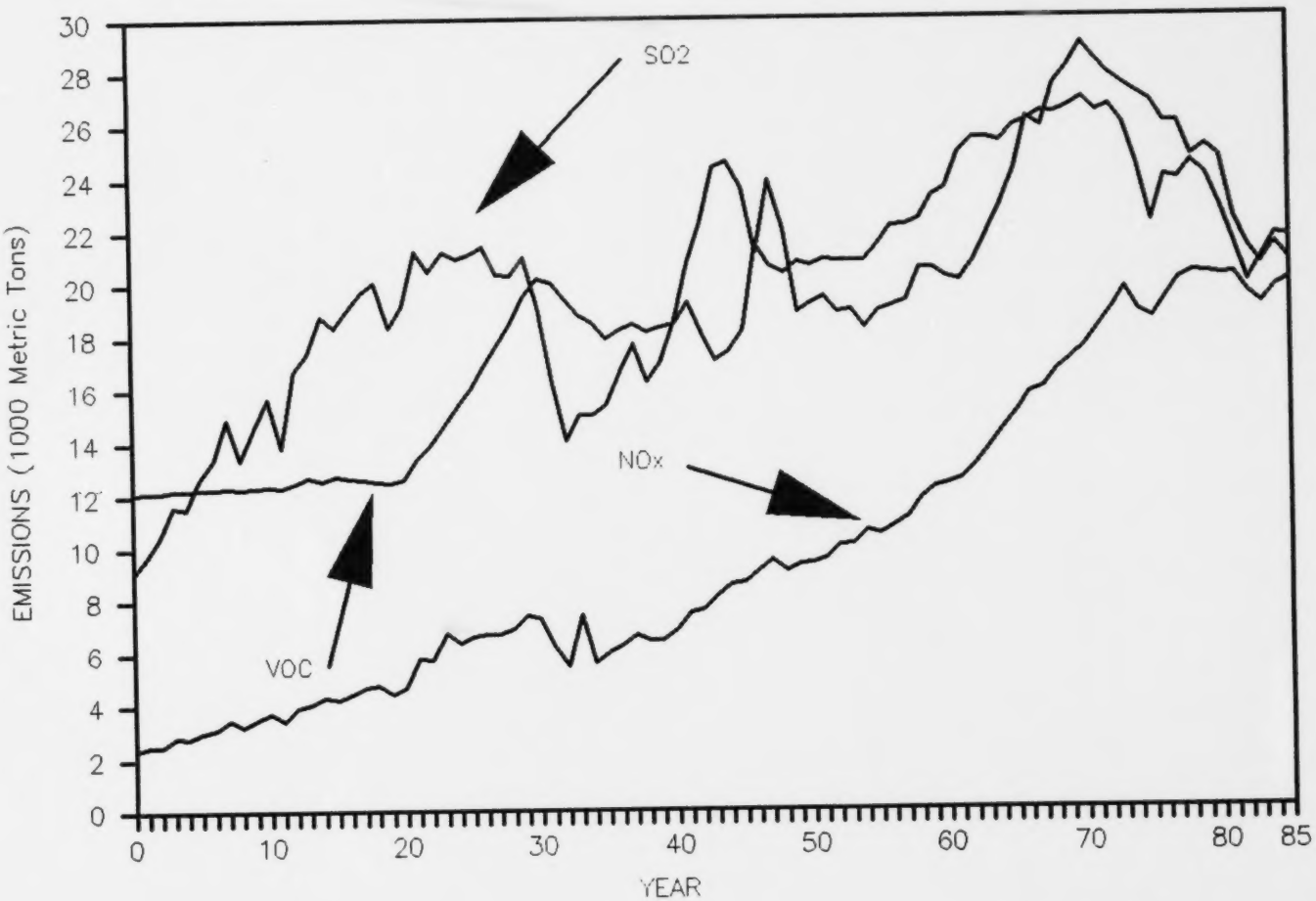

Figure 4. Historic VOC, SO_2, and NO_x emissions for the contiguous United States.

TABLE 5. SUMMARY OF STATE EMISSION TRENDS

STATE	VOC/NOx Ratio 1900	VOC/NOx Ratio 1980	% Change in VOC Emissions 1900 to 1980
TOTAL	5.1	1.1	88.2
ALABAMA	4.8	1.0	10.6
ARIZONA	19.9	1.0	432.7
ARKANSAS	2.4	1.4	-19.0
CALIFORNIA	12.5	1.9	335.9
COLORADO	3.5	1.1	268.0
CONNECTICUT	3.4	1.9	141.1
DELAWARE	11.2	1.0	83.6
D.C.	1.2	2.0	401.8
FLORIDA	8.0	1.6	155.7
GEORGIA	9.4	1.1	-5.3
IDAHO	20.4	1.1	-16.5
ILLINOIS	1.9	1.0	162.9
INDIANA	3.6	0.8	166.9
IOWA	2.0	0.9	145.5
KANSAS	2.9	0.7	237.1
KENTUCKY	6.1	0.8	103.2
LOUISIANA	11.5	0.7	31.7
MAINE	8.2	2.4	-24.2
MARYLAND	5.0	1.5	135.0
MASSACHUSETTS	4.0	1.9	63.5
MICHIGAN	5.3	1.2	130.2
MINNESOTA	6.9	1.4	26.1
MISSISSIPPI	10.3	1.1	-38.3
MISSOURI	5.4	1.0	27.1
MONTANA	5.6	1.1	25.0
NEBRASKA	2.4	1.0	133.7
NEVADA	17.1	1.0	226.1
NEW HAMPSHIRE	4.4	1.8	19.6
NEW JERSEY	2.5	1.7	203.7
NEW MEXICO	17.9	0.6	110.9
NEW YORK	2.0	1.9	159.3
NORTH CAROLINA	19.1	1.1	0.5
NORTH DAKOTA	4.2	0.6	181.5
OHIO	2.4	0.9	151.8
OKLAHOMA	10.5	1.0	244.8
OREGON	25.6	1.9	-26.8
PENNSYLVANIA	2.5	1.0	69.3
RHODE ISLAND	1.6	2.1	124.6
SOUTH CAROLINA	17.7	1.3	-8.9
SOUTH DAKOTA	4.6	1.2	128.4
TENNESSEE	11.1	0.9	10.5
TEXAS	7.2	1.0	460.0
UTAH	6.5	1.0	297.7
VERMONT	4.1	2.4	-9.6
VIRGINIA	11.8	1.4	17.7
WASHINGTON	21.0	1.6	20.9
WEST VIRGINIA	5.7	0.4	47.4
WISCONSIN	5.8	1.1	34.4
WYOMING	5.7	0.4	232.3

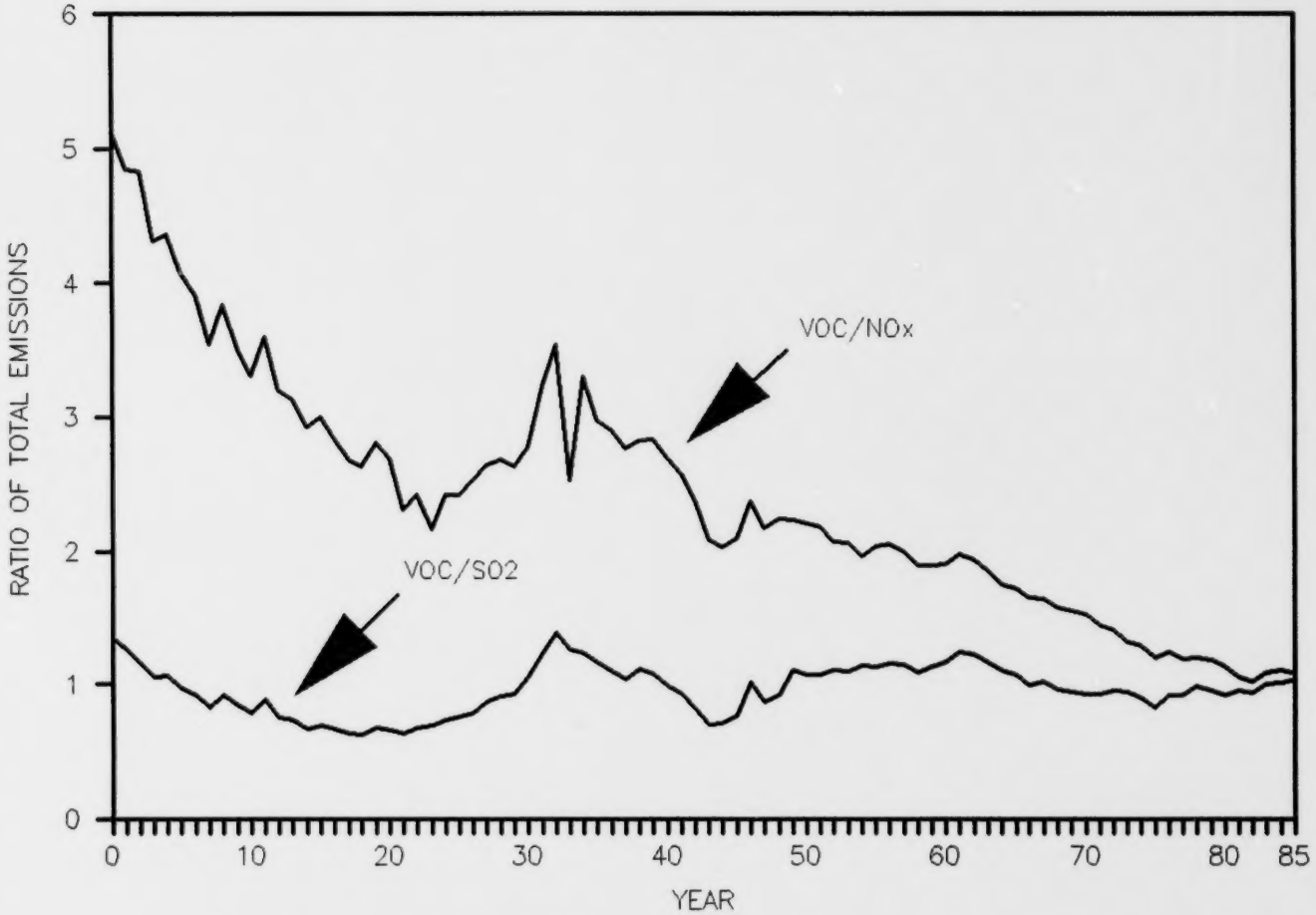

Figure 5. Ratio of VOC emissions to SO_2 and NO_x emissions from 1900 to 1980.

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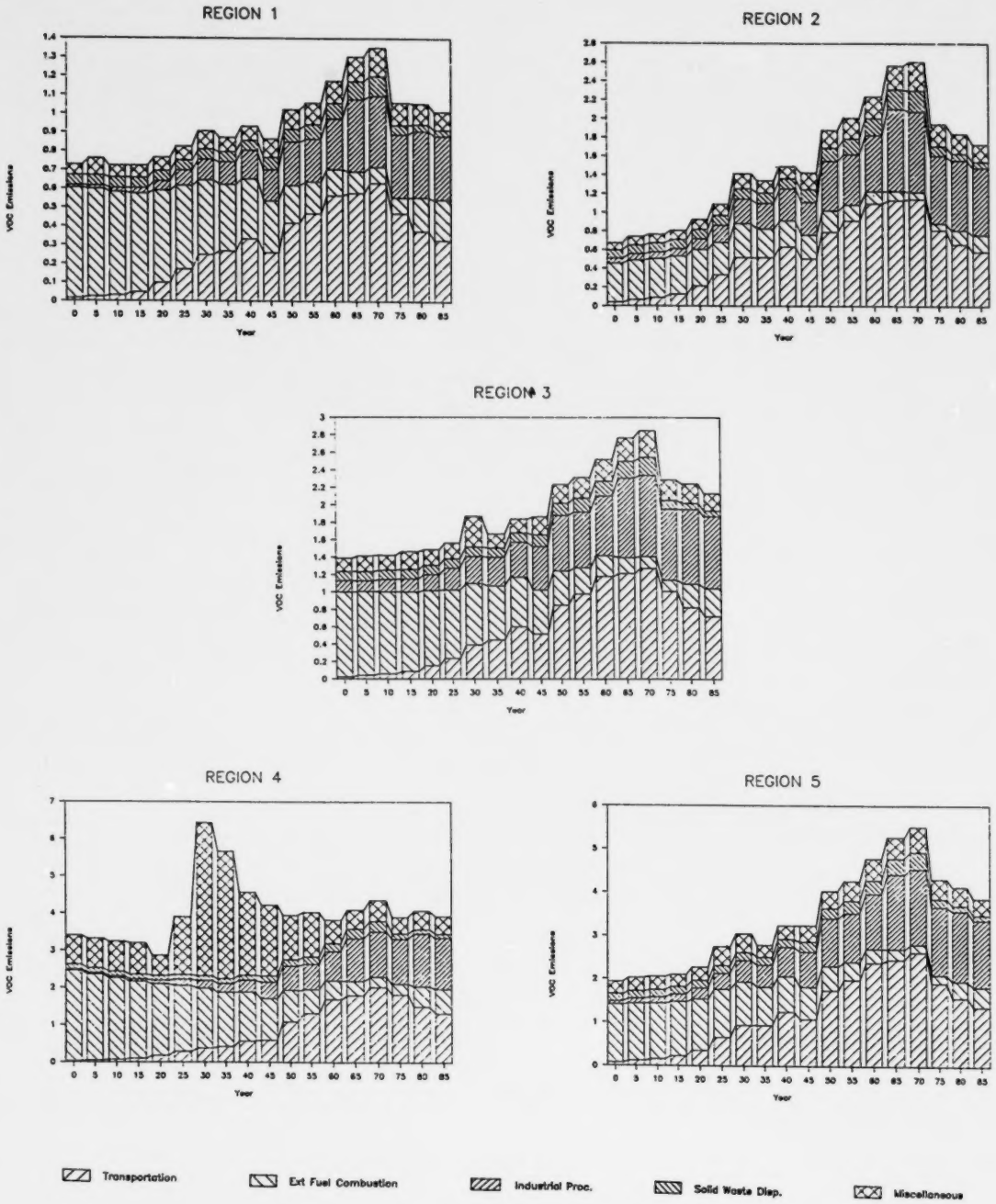

Figure 6. VOC emissions by Federal region.

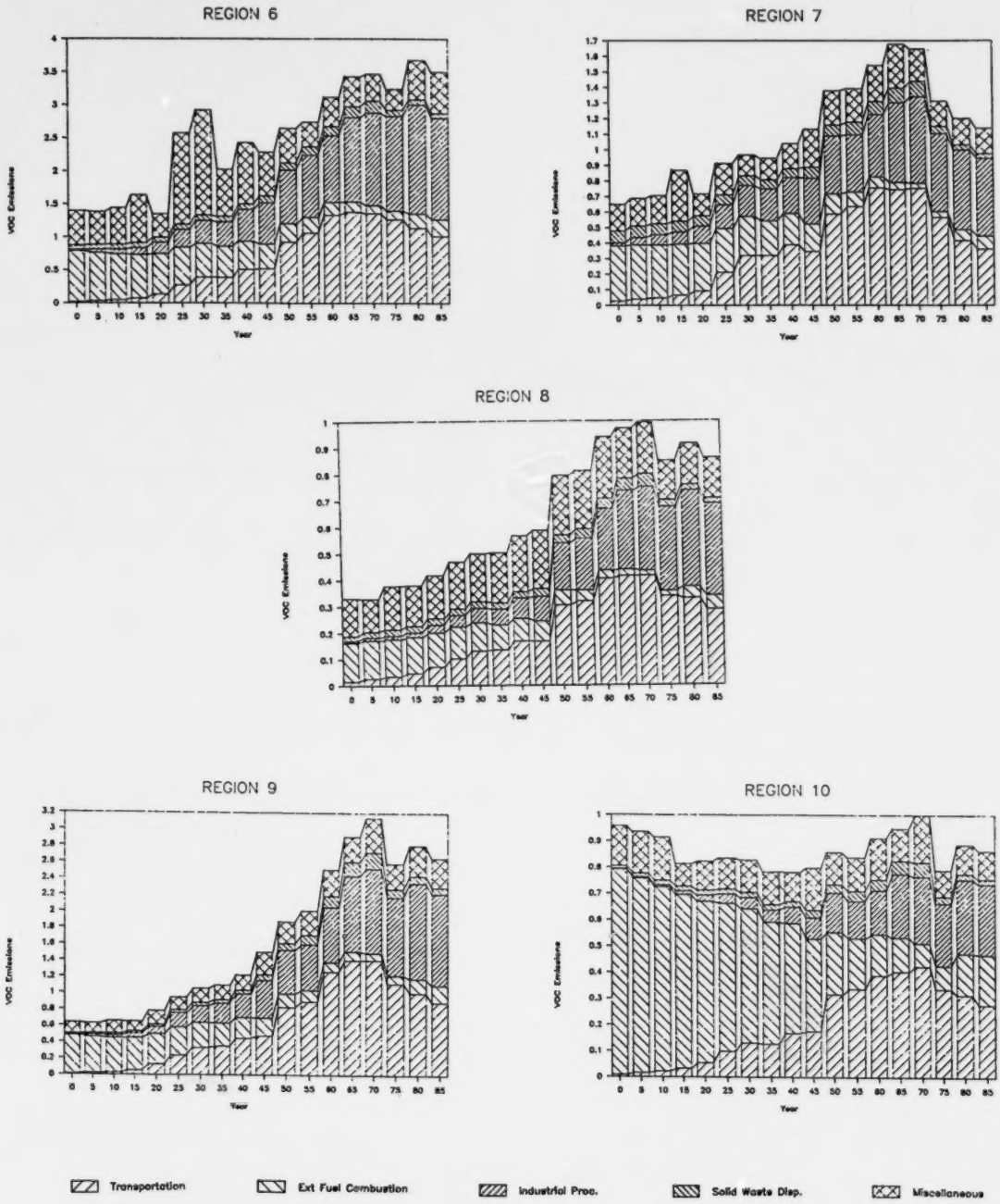

Figure 6 (continued). VOC emissions by Federal region.

Nearly all regions show steady increases in emissions since 1900. Region 4 shows a peak in the '30s due to wildfires in the southeastern United States. Region 10 has had essentially constant emissions over time, but the major contributing category has shifted from external combustion to transportation sources.

EMISSIONS BY STATE

Table 6 presents the total VOC emissions from all source categories by state from 1900 to 1985. The total emissions associated with each major source category for each state are presented in Appendix B. These data are also available on Lotus 123 format on floppy diskettes.

It should be noted that for 1940 to 1985, the aggregated total of all emissions is the same as the total reported in Table 2 for the contiguous United States. However, for 1900 to 1935, the totals are slightly less than the total that was estimated for the contiguous United States. The difference, which is at the most 1.7 percent, is due to the lack of state level activity data for off-highway vehicles from 1900 to 1945, oil-fired railroads from 1900 to 1920, natural gas combustion from 1900 to 1905, and petroleum marketing from 1900 to 1945. The emissions from these sources are negligible, and were therefore omitted from the data base rather than making additional assumptions. In future studies, these emissions may be estimated for individual states.

The results show that VOC emissions have been generally increasing in nearly all states. In the states of Arizona, California, and Texas, for example, the total VOC emissions appear to have tripled since 1900 for various reasons. The results also show that the relative contribution of major source categories to the total emissions has changed remarkably since 1900 in nearly all states. The combustion of wood was the single greatest source of VOC emissions in the early part of the century; wildfires were the second largest source. In 1900, for example, these two sources contributed about 75 percent of the total emissions. In 1935, wood burning and wildfires contributed only half of the total VOC emissions.

SEASONAL ANALYSIS

Table 7 shows the distribution of VOC emissions by season for the contiguous United States. The seasonal analysis is based on the activity of each source category for each season and is similar to the analysis of Gschwandtner et al. for SO_2 and NO_x.[8] The analysis required considerable assumptions regarding the seasonal distribution of source category activity. Where possible, assumptions were normalized according to actual seasonal data. The analysis should be regarded as providing only an approximate indication of the trend of seasonal emissions. More literature review needs to be conducted before better estimates can be made.

TABLE 6. TOTAL VOC EMISSIONS BY STATE FROM 1900 TO 1985

(1000 Metric Tons)

STATE	1900	1905	1910	1915	1920	1925	1930	1935	1940	1945	1950	1955	1960	1965	1970	1975	1980	1985
ALABAMA	399.2	391.4	384.3	421.1	367.3	743.1	516.6	565.0	399.8	442.6	410.0	416.3	452.4	484.4	490.1	442.1	441.4	430.5
ARIZONA	54.1	47.3	57.5	60.2	63.5	70.8	81.1	84.1	92.9	96.7	141.2	161.8	214.8	235.3	274.3	249.8	288.2	276.3
ARKANSAS	351.0	343.2	336.2	322.8	271.8	1251.2	872.1	415.6	274.9	256.3	281.1	271.3	306.8	301.3	308.0	255.9	284.3	278.7
CALIFORNIA	554.7	552.8	563.7	554.9	680.4	825.6	922.9	961.7	1072.9	1341.2	1656.0	1773.4	2210.7	2581.4	2770.9	2251.5	2417.8	2278.9
COLORADO	82.7	84.4	91.4	96.3	104.9	118.4	130.9	125.3	142.4	148.9	202.0	221.3	265.8	290.7	314.2	274.2	304.4	285.6
CONNECTICUT	103.1	104.9	105.3	107.5	116.4	131.7	157.9	155.6	178.7	165.3	211.7	231.8	266.5	321.3	348.9	272.6	248.5	232.0
DELAWARE	30.5	29.8	28.3	27.6	27.8	29.6	35.9	33.2	36.2	33.5	43.2	48.6	59.1	67.6	66.0	56.9	56.0	53.4
D.C.	7.8	9.4	9.4	11.4	16.7	24.2	35.1	44.0	58.8	50.6	74.4	68.6	69.5	77.1	67.2	47.7	39.2	35.7
FLORIDA	387.0	375.9	379.5	250.3	314.4	524.4	2239.2	2137.4	910.7	1129.2	742.7	944.0	779.7	794.1	882.5	901.7	999.4	932.6
GEORGIA	614.3	592.0	583.5	602.8	468.4	711.7	1002.7	746.8	775.1	484.4	688.8	580.2	550.5	608.8	669.9	566.7	582.0	561.2
IDAHO	129.5	130.1	130.4	92.2	96.1	100.4	98.9	100.6	107.2	117.8	123.1	122.4	144.1	130.7	131.7	100.6	108.1	108.1
ILLINOIS	349.6	383.3	405.7	434.9	441.9	569.1	656.4	639.7	773.3	774.8	963.8	1007.0	1127.4	1265.4	1281.6	996.4	919.1	851.2
INDIANA	241.0	274.1	281.1	299.4	301.7	333.3	385.1	351.3	403.6	409.6	544.8	584.5	646.6	695.4	745.5	593.9	643.2	593.4
IOWA	105.3	114.5	113.6	135.5	140.0	163.2	220.7	220.6	245.2	259.0	327.8	325.3	364.2	383.4	419.8	311.2	258.7	243.3
KANSAS	86.2	95.4	121.7	119.7	131.4	188.0	215.8	203.3	218.2	244.4	301.5	312.2	335.3	365.0	364.9	300.3	290.4	270.9
KENTUCKY	210.1	208.4	204.6	202.6	206.0	221.7	317.1	221.1	302.0	286.1	343.8	360.7	369.4	400.4	432.3	369.2	426.8	415.2
LOUISIANA	447.9	446.5	443.7	408.5	342.7	331.3	471.1	410.8	340.6	374.8	416.7	468.3	533.8	596.8	630.2	604.3	589.8	555.5
MAINE	179.2	176.4	170.2	165.4	166.7	158.8	163.4	153.4	153.4	142.6	150.0	145.8	151.7	155.1	150.4	124.8	135.9	138.4
MARYLAND	164.7	167.6	160.4	158.6	164.0	175.1	196.4	183.5	204.6	211.8	267.5	298.9	351.8	426.8	469.7	391.7	387.1	369.1
MASSACHUSETTS	279.7	286.4	281.1	285.7	314.1	362.5	394.8	382.8	409.1	380.8	462.0	476.6	540.7	594.6	598.1	456.6	457.3	436.0
MICHIGAN	354.0	356.2	354.8	377.2	391.5	550.0	568.1	521.0	609.5	619.9	770.4	828.8	926.5	1066.8	1177.7	895.0	814.8	769.0
MINNESOTA	307.5	306.8	310.2	263.5	287.4	339.1	346.2	305.6	344.1	316.4	375.8	390.0	460.3	477.2	489.1	394.7	387.8	369.5
MISSISSIPPI	449.7	440.8	429.1	415.9	362.5	467.4	492.9	802.1	814.7	599.0	425.2	387.3	324.8	329.2	329.2	272.1	277.1	266.4
MISSOURI	393.7	409.1	398.5	535.1	353.9	432.8	405.0	402.2	451.2	502.1	565.4	563.6	630.9	690.8	630.1	514.4	500.4	480.5
MONTANA	107.1	99.1	113.9	98.5	105.0	115.0	114.4	117.2	132.5	132.1	158.2	151.1	167.0	162.6	155.8	124.3	133.8	129.2
NEBRASKA	64.5	69.8	73.1	77.4	90.2	107.5	126.0	118.2	123.0	126.6	183.5	189.8	209.5	238.7	231.6	185.5	150.6	141.3
NEVADA	31.1	28.9	35.6	37.4	39.3	47.4	50.2	50.9	58.0	63.6	75.9	74.2	84.0	95.5	96.1	83.8	101.3	97.6
NEW HAMPSHIRE	75.4	84.1	73.3	72.0	71.7	71.6	75.3	70.6	72.6	66.6	72.7	72.6	77.6	84.7	95.0	78.5	90.1	88.1
NEW JERSEY	210.9	237.3	236.8	245.6	276.3	325.5	442.4	403.7	458.0	450.7	560.1	621.5	705.6	806.0	847.1	700.8	640.5	593.2
NEW MEXICO	81.2	76.8	84.5	86.8	85.1	90.1	94.2	95.0	107.6	114.3	154.3	158.3	194.4	197.6	199.8	169.8	171.2	161.2
NEW YORK	461.8	503.7	527.3	560.6	648.1	762.9	974.4	937.7	1034.2	973.6	1316.4	1384.3	1530.0	1754.4	1755.5	1241.0	1197.6	1132.8
NORTH CAROLINA	570.6	551.3	533.1	597.7	491.2	532.9	519.6	467.9	518.2	517.5	574.2	620.5	576.6	633.8	654.6	537.5	573.3	557.1
NORTH DAKOTA	26.6	29.7	38.8	44.6	52.3	58.5	60.8	62.0	65.6	69.2	105.8	106.9	124.4	133.3	126.7	102.4	105.5	98.0
OHIO	373.9	391.2	401.9	427.9	484.1	573.3	656.6	629.4	732.8	757.6	956.4	1019.3	1140.5	1255.3	1278.8	1003.1	941.4	875.9
OKLAHOMA	124.1	132.8	150.6	169.4	188.6	228.7	540.2	314.2	632.0	441.6	453.7	353.6	413.6	504.9	450.9	406.4	427.9	408.6
OREGON	464.8	448.5	432.8	390.7	381.5	381.4	370.6	348.9	343.7	352.1	335.6	320.7	340.5	363.0	349.8	293.6	340.3	329.8
PENNSYLVANIA	632.7	658.2	684.5	695.1	749.1	789.7	914.9	883.6	980.6	1001.8	1184.4	1229.6	1315.8	1389.2	1429.1	1117.5	1071.3	1012.9
RHODE ISLAND	30.6	45.9	34.1	35.4	38.7	44.9	57.8	56.1	62.0	58.7	70.5	78.5	84.6	92.7	100.8	78.6	68.7	64.6
SOUTH CAROLINA	354.0	351.9	332.3	325.6	294.5	316.2	893.3	316.1	386.6	343.3	304.5	302.1	310.2	334.1	390.3	325.5	322.6	312.4
SOUTH DAKOTA	37.5	43.3	44.0	47.2	54.1	64.0	70.1	71.4	76.7	82.8	103.2	98.9	111.9	111.1	118.0	89.6	85.7	82.1
TENNESSEE	424.2	412.3	399.1	382.9	365.2	386.9	459.3	407.6	460.3	422.7	461.8	421.3	465.0	510.2	509.0	488.6	468.9	454.5
TEXAS	393.4	386.3	426.7	641.1	463.3	673.7	947.9	792.3	978.5	1099.2	1344.5	1489.4	1668.8	1830.9	1880.9	1804.2	2203.1	2095.8
UTAH	41.5	37.3	48.1	49.9	55.3	57.9	65.7	66.3	78.4	83.0	126.4	129.2	152.3	160.3	164.6	157.7	165.1	153.3
VERMONT	59.7	63.8	58.1	56.8	56.6	55.6	57.4	53.8	56.3	50.9	54.0	51.2	53.1	55.1	57.6	47.9	54.0	53.1
VIRGINIA	429.5	423.6	406.9	433.6	388.8	391.3	484.8	366.4	384.5	386.2	451.3	469.4	515.2	577.8	602.7	498.8	505.5	483.3
WASHINGTON	362.7	357.2	351.8	331.6	346.2	355.2	359.4	333.7	330.8	329.0	399.7	395.6	427.6	453.5	517.9	396.0	438.4	425.7
WEST VIRGINIA	124.3	134.1	132.7	138.1	140.1	152.2	199.6	155.7	175.1	181.2	215.0	202.5	210.4	231.1	213.9	176.1	183.3	177.3
WISCONSIN	312.3	311.5	305.8	295.1	362.1	376.3	429.5	339.9	365.9	360.7	424.8	428.2	479.1	511.3	536.3	424.7	419.7	403.2
WYOMING	36.0	34.8	40.7	42.4	46.1	54.5	57.8	61.1	71.7	71.1	98.7	104.4	118.7	113.6	114.6	101.8	119.8	111.4
TOTAL	12112.5	12231.9	12310.6	12642.9	12404.8	15856.6	19948.6	17687.0	18104.6	17924.0	20674.3	21461.5	23559.7	25940.5	26919.5	22277.5	22827.6	21673.8

NOTE: The state emissions do not include emissions from off-highway vehicles from 1900 to 1945, oil-fired railroads from 1900 to 1920, natural gas combustion for 1900 and 1905, and petroleum marketing-other products from 1900 to 1945. The aggregated total for 1900 to 1920 is less than the total national emissions due to the unavailability of certain data on the individual state level.

TABLE 7. PERCENTAGE ANNUAL EMISSIONS BY SEASON FOR THE CONTIGUOUS UNITED STATES, 1900 TO 1985.[a]

YEAR	WINTER	SPRING	SUMMER	FALL
1900	34.0	17.0	15.8	33.2
1905	33.5	17.5	16.3	32.7
1910	32.9	18.2	16.9	32.0
1915	31.9	19.1	17.9	31.1
1920	31.8	19.3	17.9	31.0
1925	28.3	22.8	21.2	27.7
1930	25.9	25.3	23.6	25.2
1935	26.2	24.9	23.3	25.6
1940	25.7	25.5	23.8	25.0
1945	25.5	25.7	23.9	24.9
1950	24.8	26.4	24.6	24.2
1955	24.4	26.8	24.9	23.9
1960	24.3	26.9	25.1	23.7
1965	24.2	27.0	25.2	23.6
1970	24.2	26.4	24.7	23.7
1975	24.3	26.9	25.0	23.8
1980[b]	24.6	26.6	24.8	24.0
1985	24.8	26.4	24.7	24.1

[a]Winter = December, January, February
Spring = March, April, May
Summer = June, July, August
Fall = September, October, November

[b]Based on 1980 NAPAP emission inventory results reported by Wagner et al.[9]

The analysis suggests that in the early years, as much as two-thirds of the total VOC emissions occurred in the fall and winter primarily due to the external combustion of wood for heating. In the recent years, the emissions appear more uniformly distributed among the seasons due to the nearly continuous activity of most source categories and the less predominant influence of external fuel combustion. For recent years, spring and summer emissions are slightly higher than those in the fall and winter as a result of greater highway vehicle travel.

The preliminary estimates suggest a significant change in the seasonal distribution of VOC emissions, particularly from 1900 to 1950. Since then, the total emissions consist mostly of emissions from transportation and industrial process operations which, on the national level, are less seasonally affected. Analysis of different geographic regions would be expected to show greater seasonal changes, especially for the more recent years.

SECTION 4

POSSIBLE APPROACH TO UNCERTAINTY ANALYSIS

BACKGROUND AND METHODOLOGY

NAPAP has sponsored several projects to develop and test methodologies for quantifying the uncertainty of an emissions inventory. The methodology developed by Brookhaven National Laboratory[10] and tested on the 1980 NAPAP Emissions Inventory[11] has been subject to NAPAP's extensive review and analysis procedures. Although doubts about the validity of the method have yet to be resolved and lacking any other acceptable means to quantify the uncertainty of this historic VOC emissions inventory, the NAPAP methodology was selected. This methodology is documented in detail in References 10 and 11.

The NAPAP methodology defines the uncertainty of an emissions estimate in terms of the uncertainty of the individual parameters required in the emissions calculation. In the historic inventory case, these parameters are the emission factor and the activity. The overall uncertainty in the emissions estimation parameters can be calculated as follows:

$$p^2 = (1/165^2)*((1+165^2 p_{ef}^2)*(1+165^2 p_a^2)-1) \qquad \text{(eq. 8)}$$

where

p = Percent error

p_{ef} = Percent error in emission factor

p_a = Percent error in activity

This calculation was performed at the lowest level of disaggregation that the inventory would support. For the historic VOC inventory, activity and emission factor data have been estimated at the subcategory level.

The overall uncertainty of all source categories combined is given by:

$$p_T^2 = \sum_{i=1}^{N} p_i^2 E_i^2 \,/\, E_T^2 \qquad \text{(eq. 9)}$$

where

P_T = Total uncertainty

p_i = Uncertainty for subcategory i

E_i = Emissions for subcategory i

E_T = Total emissions

The difficulty in applying this methodology to an emissions inventory arises due to the lack of test data on which to base the uncertainty estimates of the emission factor and activity data. In the case of historic emission estimates, test data are presently nonexistent, and considerable judgment and assumptions must be applied to develop emission factors and activity levels from which historic emissions may be estimated. Therefore, this method was used for illustrative purposes only. Reliable estimates of uncertainty will have to wait for better test data.

In the absence of any better information on which to base these estimates, the values selected for use in the 1980 NAPAP Emissions Inventory uncertainty effort were used as a base case. Since they are the only uncertainty values published to date, they serve as a benchmark against which other uncertainty estimates developed using a consistent methodology can be compared.

It is recognized that the emission factor and activity uncertainty values assigned in the 1980 NAPAP Emissions Inventory uncertainty effort are intended to be applied at the source classification code (SCC) level. The subcategories defined in the current historical work can be considered aggregations of these SCC-level data. Because the uncertainty of an emissions inventory decreases as we progress to increasing levels of aggregation, the application of SCC level uncertainty values to more aggregate subcategories should be considered a worst-case analysis of the uncertainty of the historic emissions inventory.

UNCERTAINTY ESTIMATION PROCEDURE (Illustrative Exercise Only)

Emission Factor Uncertainty

A three-step procedure was used to calculate for illustrative purposes uncertainty values for the emission factors from 1920 to 1985. First, the 1980 NAPAP uncertainty values of 50 percent for transportation sources and 100 percent for all other sources were assumed for the 1980 historic inventory data.

The second step required the use of judgment to assign a factor to the relative uncertainty of each source category for each year. For early years, the spread in the low, median, and high emission factors was used to provide an indication of the relative uncertainty.

The third step was the scaling of the relative uncertainty values to reflect the 50 percent and 100 percent uncertainty in 1980. The resulting uncertainty values are presented in Appendix D.

Activity Uncertainty

A similar procedure was applied to calculate for illustrative purposes the uncertainty in the activity level for

each year and source category. This time, the 1980 NAPAP uncertainty values of 15 percent for point sources and 25 percent for area sources were assumed for the 1980 historical data.

Because activity data are not always available for every category and year, emissions were sometimes estimated based on derived activity data such as surrogate indicators or linear interpolation. Based on professional judgment and knowledge of the activity and surrogate data, the relative uncertainty of each source category for each year was assigned according to the following criteria:

Method of Derivation	Scaling
Reported value	1
Apportionment based on a surrogate indicator	2
Linear interpolation	4
Assumption	5
Best guess	10

The 1980 uncertainty values were scaled based on the assigned relative uncertainty in activity data to arrive at the activity uncertainty table presented in Appendix E.

Source Category/Year Uncertainty

The activity and emission factor uncertainty values for each source category and year were combined according to the NAPAP uncertainty methodology defined by Equation 3. The resulting uncertainty values for each source category and year are presented in Table 8.

Emissions Inventory Uncertainty

Using the national historical VOC emission estimates presented in Table 2 and the source category/year uncertainty values calculated above as input data, Equation 4 was used to calculate for illustrative purposes the uncertainty of the historic VOC inventory at the national and major source category levels. The results are presented in Table 8 and the estimated uncertainty is plotted in Figure 7.

DISCUSSION

A number of the uncertainty estimates in Table 8 lend themselves to more detailed discussion and explanation. Discontinuities, apparent anomalies, and trends in the data are discussed below.

1. From 1900 to 1935, the uncertainty in the solid waste disposal category is over 800 percent. This large uncertainty is due to the fact that no data on open burning exists for years prior to 1940. A "best guess"

TABLE 8. HISTORIC VOC EMISSIONS UNCERTAINTY RESULTS

SOURCE CATEGORY	1900	1905	1910	1915	1920	1925	1930	1935	1940	1945	1950	1955	1960	1965	1970	1975	1980	1985
TRANSPORTATION	123	121	113	111	133	140	146	137	106	82	74	93	68	58	52	49	48	47
EXTERNAL FUEL COMBUSTION	768	681	599	512	451	387	346	283	217	175	141	175	121	104	84	88	95	96
INDUSTRIAL PROCESSES	242	254	255	240	227	283	177	147	102	98	71	88	62	62	47	45	47	47
SOLID WASTE DISPOSAL	822	784	731	679	610	530	454	370	174	146	118	152	107	93	81	74	74	74
MISCELLANEOUS OTHER SOURCES	217	211	206	206	160	176	197	180	168	124	90	116	87	81	76	80	73	69
OVERALL	529	449	379	304	252	167	128	106	80	58	43	53	39	35	30	29	28	28

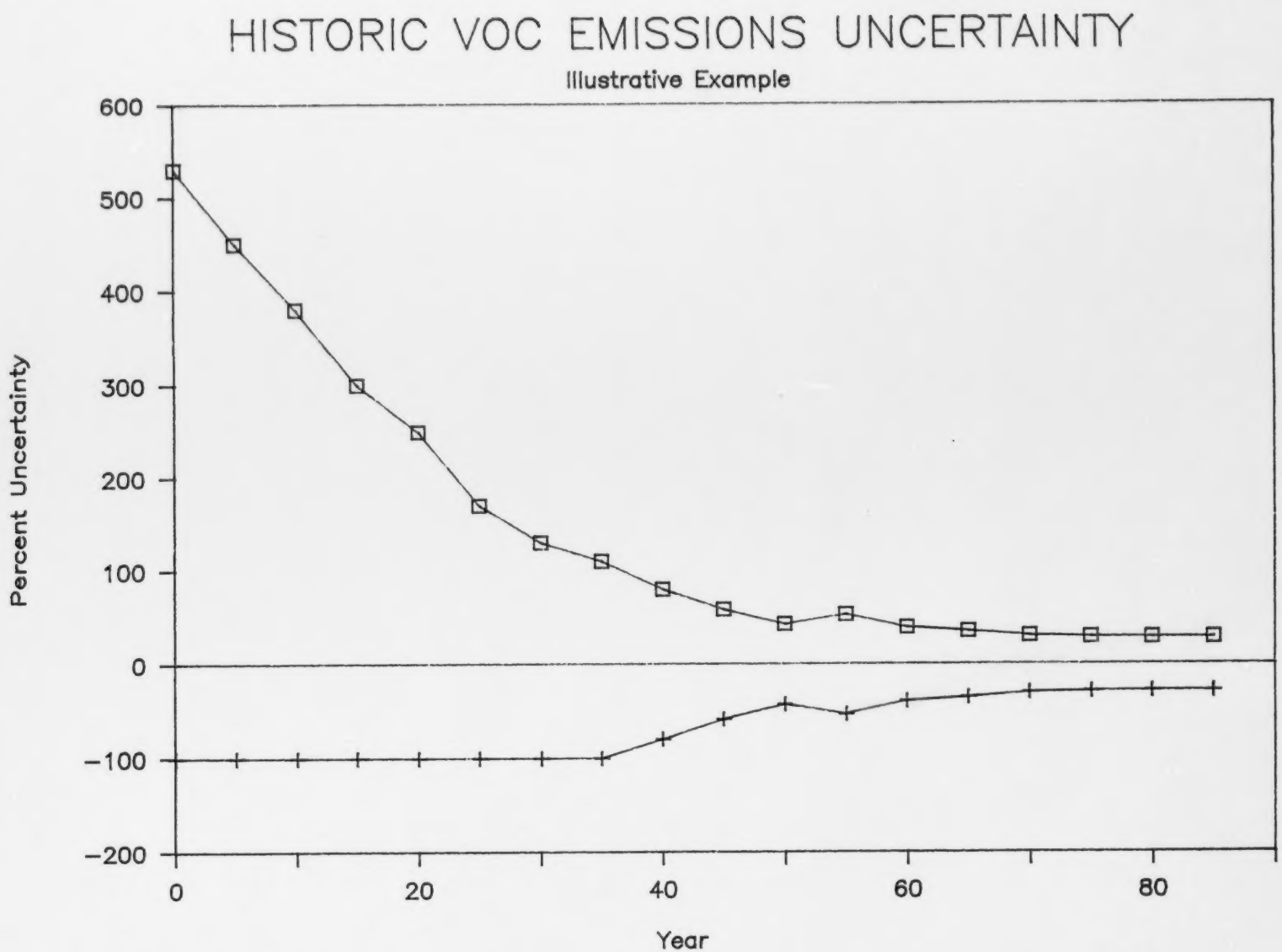

Figure 7. Trend in VOC emissions uncertainty using an illustrative approach.

was assigned, with a corresponding uncertainty factor of 10 times the 1980 value.

2. The relatively high uncertainty values in the external combustion category are due largely to the coke subcategory, for which both activity and emission factor data are poor in the early years.

3. The rise in the overall historic emissions inventory uncertainty from 1940 to 1900 is due to the increasing unavailability of reliable activity and emission factor data.

4. The overall uncertainty for the 1980 reference year is 28 percent, compared to 1 percent for the overall uncertainty of the 1980 NAPAP Emissions Inventory.[11] This difference is attributable to the different emissions estimation approaches between the two inventories. The 1980 NAPAP inventory is a "bottom-up" inventory: hundreds of thousands of SCC-level records were aggregated using the uncertainty equations, causing random errors to cancel each other and the overall uncertainty to become very small. The current historic inventory is a "top-down" inventory, with the subcategory being the finest level of resolution. The assignment of SCC-level uncertainty values to subcategory-level data provides, in some respects, a worst-case analysis of uncertainty.

SUMMARY

Values of the uncertainty estimates calculated in this study do not represent the actual uncertainty. The values were developed for illustrative purposes only and show the likely relative change in uncertainty over time. Relying on judgment in the absence of reliable data, the uncertainty estimates have been determined based on a methodology which has been examined in detail by NAPAP. The initial assumptions can be normalized to reflect the input conditions of future NAPAP Emissions Inventory uncertainty analysis.

SECTION 5

FURTHER IMPROVEMENTS

This study has produced estimates of historic VOC emissions on the state level using a consistent methodology. The national VOC emission trend estimates of the U.S. EPA have been used to provide the basis for estimating early year emissions and the state level emissions. The state level emissions were estimated by apportioning the total national emissions of various source categories to the state level according to various state activity data.

Emission factors and activity data were calculated separately for each category; these data were extrapolated to earlier years. This method was used for two reasons: 1) a requirement of the project was to produce national estimates identical to those reported by the U.S. EPA for common years unless sufficient reason could be provided to use alternate estimates, and 2) budgetary restrictions dictated that a simpler and less detailed methodology be used.

The results of this study should be regarded as approximate estimates of historic VOC emissions. While the results were obtained using some of the best information available and in a consistent manner, many assumptions had to be made because it was not possible to conduct further research in this study. Several possible improvements which may result in better understanding of historic VOC emissions are outlined below.

EMISSION FACTORS

Much of the work to date on historic emission trends relies on emission factors reported in AP-42.[12] These emission factors are based largely on current source test data obtained, in most cases, in the last ten years. These factors are used in the U.S. EPA emission trend calculations and have therefore been incorporated in this study.

The quality of historic emission estimates could be improved by conducting a study of the combustion and industrial process technology common in the early part of the century. An attempt should be made to reconstruct actual emission factors for wood-fired boilers and furnaces, for example, in addition to other suspected sources of major quantities of VOC emissions. At the present time, the historic estimates are only based on modern technology.

ACTIVITY INDICATORS

The use of certain indicators to represent various source category emissions should be investigated. It was assumed, for example, that emissions from aircraft, petrochemicals

manufacturing, and other sources were represented by population statistics. It is recommended that the correlation between actual emissions of these subcategories and such an indicators be determined, in order to better understand the uncertainty of the historic emission estimates. Similarly the relationship between the emissions of other subcategories and their indicators should be investigated. A simple test could involve comparing the U.S. EPA emission estimates from 1940 to 1985 for the various subcategories and the selected indicators, and determining the coefficient of correlation. The uncertainty of historic emission estimates could be significantly improved by knowing this kind of information rather than assuming a relationship exists.

The estimates of emissions from 1900 to 1920 could be substantially improved by including actual wildfire statistics, since forest fires were a major source in the early years. Wildfire data may be obtained from early forest studies and historic archives.

UNCERTAINTY ANALYSIS

The uncertainty analysis of total national emissions can be substantially improved by obtaining better estimates of uncertainty associated with emission factors. NAPAP should provide uncertainty estimates of the composite emission factors for major source categories. In this study, the uncertainty of SCC level emission factors was applied to major categories. As a result, the uncertainty of national emissions was overestimated and is considered to represent an upper limit.

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APPENDIX A

EMISSION FACTORS AND NATIONAL ACTIVITY BY SOURCE CATEGORY

TABLE A-1. EMISSION FACTORS BY SOURCE CATEGORY FROM 1900 TO 1985

SOURCE CATEGORY	1900	1905	1910	1915	1920	1925	1930	1935	1940	1945	1950	1955	1960	1965	1970	1975	1980	1985
TRANSPORTATION																		
Highway Vehicles (Mt/10E6 VMT)	-	-	-	-	-	-	-	-	14.81	14.81	14.68	12.50	11.21	11.76	9.92	6.32	4.56	3.38
Highway Vehicles (Mt/10E6 gal.)	233.00	230.00	227.00	225.00	222.00	219.00	214.00	209.00	204.89	195.00	188.79	170.00	139.49	146.71	-	-	-	-
Aircraft (Mt/1000 LTO)	1.90	2.10	2.30	2.50	2.80	3.20	3.50	4.00	4.64	5.68	6.72	8.56	10.40	9.31	4.15	2.90	2.25	2.29
Railroads-Oil (Mt/10E6 gal.)	40.60	40.60	40.60	40.60	40.60	40.60	40.60	40.60	40.59	40.60	40.60	40.60	40.60	40.60	40.59	40.58	40.59	40.61
-Coal (Mt/1000 tons)	4.55	4.55	4.55	4.55	4.55	4.55	4.55	4.55	4.55	4.55	4.55	4.55	4.56	4.51	4.58	4.68	4.92	0.00
Vessels -Oil (Mt/10E6 gal.)	8.00	8.00	8.00	8.00	8.00	8.10	9.00	9.50	8.56	16.00	9.83	25.00	34.33	51.24	5.51	76.95	39.64	56.28
-Coal (Mt/1000 tons)	4.55	4.55	4.55	4.55	4.55	4.55	4.55	4.55	4.55	4.55	4.55	4.55	4.55	4.58	4.57	4.59	0.00	0.00
Other Off-Highway Use (Mt/1000 gal.)	85.60	84.90	84.30	83.70	83.10	82.50	82.00	81.50	81.19	80.87	80.56	80.38	80.20	68.84	67.66	65.38	61.79	57.48
STATIONARY SOURCE FUEL COMBUSTION																		
Anthracite Coal (Mt/1000 tons)	2.93	2.87	2.82	2.77	2.72	2.66	2.60	2.55	2.50	2.41	2.31	2.51	2.71	2.33	2.11	1.15	1.13	2.13
Bituminous Coal (Mt/1000 tons)	1.67	1.66	1.64	1.61	1.57	1.51	1.45	1.36	1.24	1.08	0.91	0.69	0.47	0.26	0.15	0.08	0.06	0.06
Residual Oil (Mt/10E6 gal.)	0.31	0.31	0.31	0.31	0.31	0.31	0.31	0.31	0.31	0.31	0.30	0.32	0.33	0.35	0.32	0.32	0.32	0.31
Distillate Oil (Mt/10E6 gal.)	0.32	0.32	0.32	0.32	0.32	0.32	0.32	0.32	0 32	0.35	0.38	0.34	0.29	0.34	0.39	0.50	0.41	0.34
Natural Gas (Mt/10E9 cu.ft.)	26.25	24.75	23.00	21.25	19.50	17.75	16.00	14.25	12.74	11.00	9.27	8.20	7.14	6.25	5.87	5.72	5.17	5.22
Wood (Mt/1000 tons)	38.60	38.50	38.00	37.40	36.40	35.00	33.50	31.70	29.33	26.50	23.59	19.50	16.44	12.19	8.35	8.45	12.16	14.04
Coke and Other Fuels (sized units)	3.60	2.70	2.10	1.75	1.40	1.30	1.30	1.41	1.65	1.80	1.50	2.40	3.47	1.72	3.02	6.58	4.28	7.00
INDUSTRIAL PROCESSES																		
Petrol. Ref. Process Oper. (Mt/10E6 bbl)	374.00	366.00	359.00	348.00	335.00	315.00	300.00	275.00	254.02	227.00	209.12	197.00	189.53	179.13	165.30	161.91	148.66	135.49
Mfg. of Petrochemicals (Mt/1000 tons)	27.60	27.33	26.97	26.33	25.67	24.83	23.83	22.63	21.47	19.91	18.34	18.70	19.05	18.67	16.62	17.61	14.56	10.78
Petrol. Production- Crude (Mt/10E6 bbl)	63.20	63.20	63.20	63.20	63.20	63.20	63.20	63.20	63.19	63.18	63.17	63.16	63.15	63.14	63.15	63.13	63.16	63.15
- Nat.Gas.Liq.(Mt/10E6 gal)	6.00	6.00	6.00	6.00	6.00	6.00	6.00	6.00	6.00	6.00	6.00	6.00	6.00	6.00	6.00	6.00	6.00	6.00
Petrol. Mktg.- Gasoline(Mt/10E6 bbl)	1500.00	1430.00	1370.00	1270.00	1200.00	1120.00	1030.00	970.00	907.29	850.00	812.99	795.00	775.31	754.40	741.52	726.65	634.59	597.48
- Other (Mt/10E6 bbl)	560.00	555.00	555.00	545.00	535.00	521.00	500.00	475.00	451.74	290.00	230.60	200.00	182.28	163.16	142.88	143.89	156.34	136.33
Surface Coating Oper. (Mt/1000 tons)	1000.00	1000.00	1000.00	1000.00	1000.00	1000.00	1000.00	1000.00	1000.00	1000.00	1000.00	1000.00	1000.00	992.88	985.77	908.05	830.04	796.91
Miscellaneous Other (Mt/1000 tons)	1.90	2.10	2.30	2.50	2.80	3.20	3.60	4.05	4.60	5.50	6.57	6.50	6.45	10.89	7.23	6.65	8.83	7.95
- Carbon Black Mfg. (Mt/1000 tons)	2950.00	2930.00	2910.00	2900.00	2860.00	2800.00	2790.00	2695.00	2667.89	1650.00	1332.81	800.00	499.79	248.08	191.38	70.92	65.20	57.59
SOLID WASTE DISPOSAL																		
Incineration (Mt/1000 tons)	18.00	16.20	14.50	12.90	11.40	10.20	9.20	8.50	7.80	7.31	6.82	6.85	6.89	7.12	7.36	9.70	11.69	14.61
Open Burning (Mt/1000 tons)	13.60	13.60	13.60	13.60	13.60	13.60	13.60	13.60	13.60	13.60	13.60	13.60	13.60	13.60	13.60	13.60	13.60	13.58
MISCELLANEOUS OTHER SOURCES																		
Wildfires (Mt/1000 acres)	127.00	127.00	127.00	127.00	127.00	127.00	127.00	127.00	127.00	127.00	89.36	127.00	124.54	177.41	124.19	150.17	135.55	135.55
Prescribed Fires (Mt/1000 acres)	87.56	87.56	87.56	87.56	87.56	87.56	87.56	87.56	108.33	87.56	97.51	87.56	97.51	84.49	75.50	80.52	77.13	79.51
Other Burning (Mt/1000 tons)	6.05	6.05	6.05	6.05	6.05	6.05	6.05	6.05	6.05	6.02	6.02	6.00	5.83	6.30	6.35	5.46	5.53	5.57
Organic Solvent Evapor. (Mt/1000 Mt)	1000.00	1000.00	1000.00	1000.00	1000.00	1000.00	1000.00	1000.00	1000.00	1000.00	1000.00	1000.00	1000.00	1000.00	1000.00	1000.00	1000.00	1000.00

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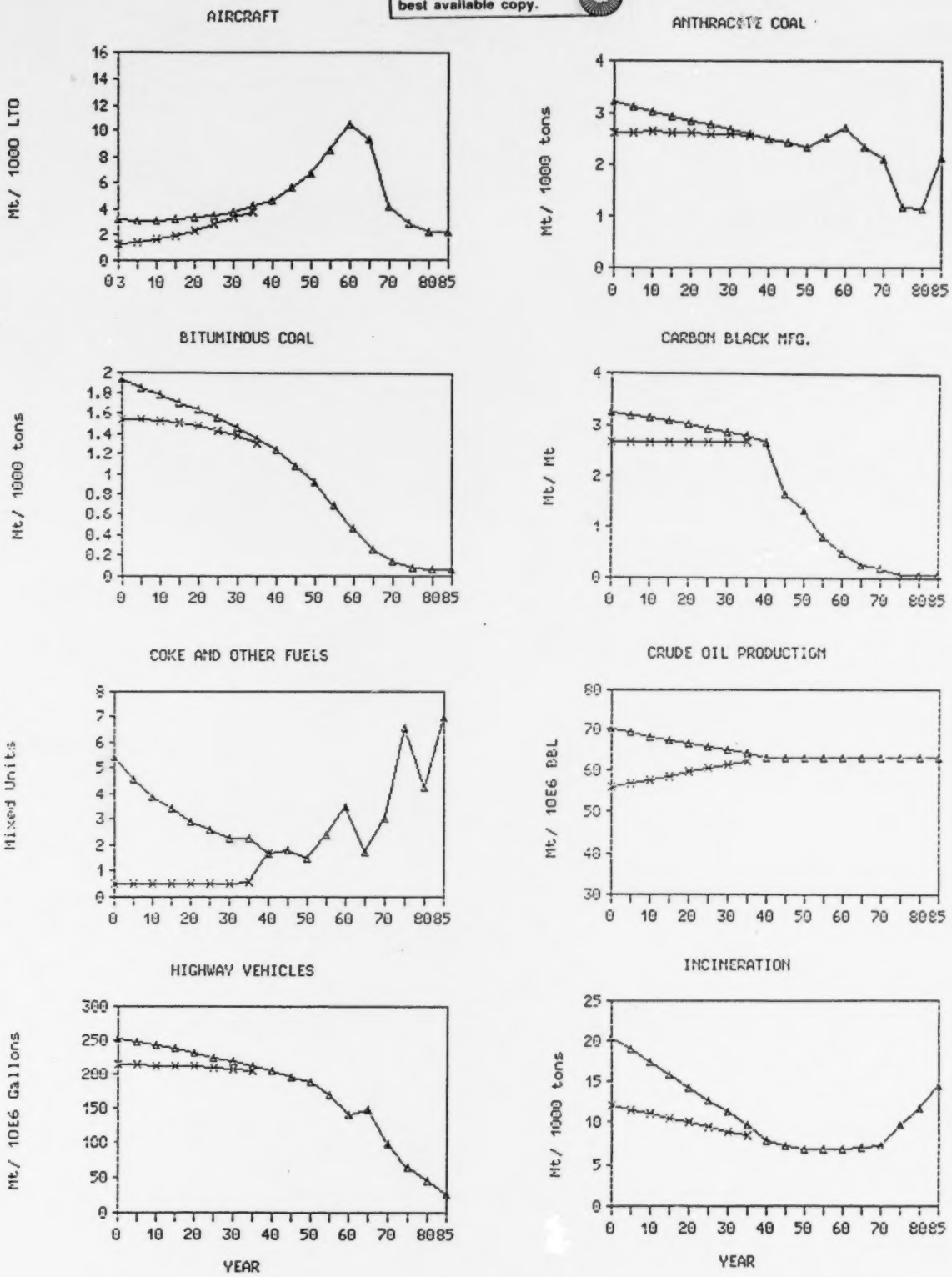


Figure A-1. Plot of historic emission factors.

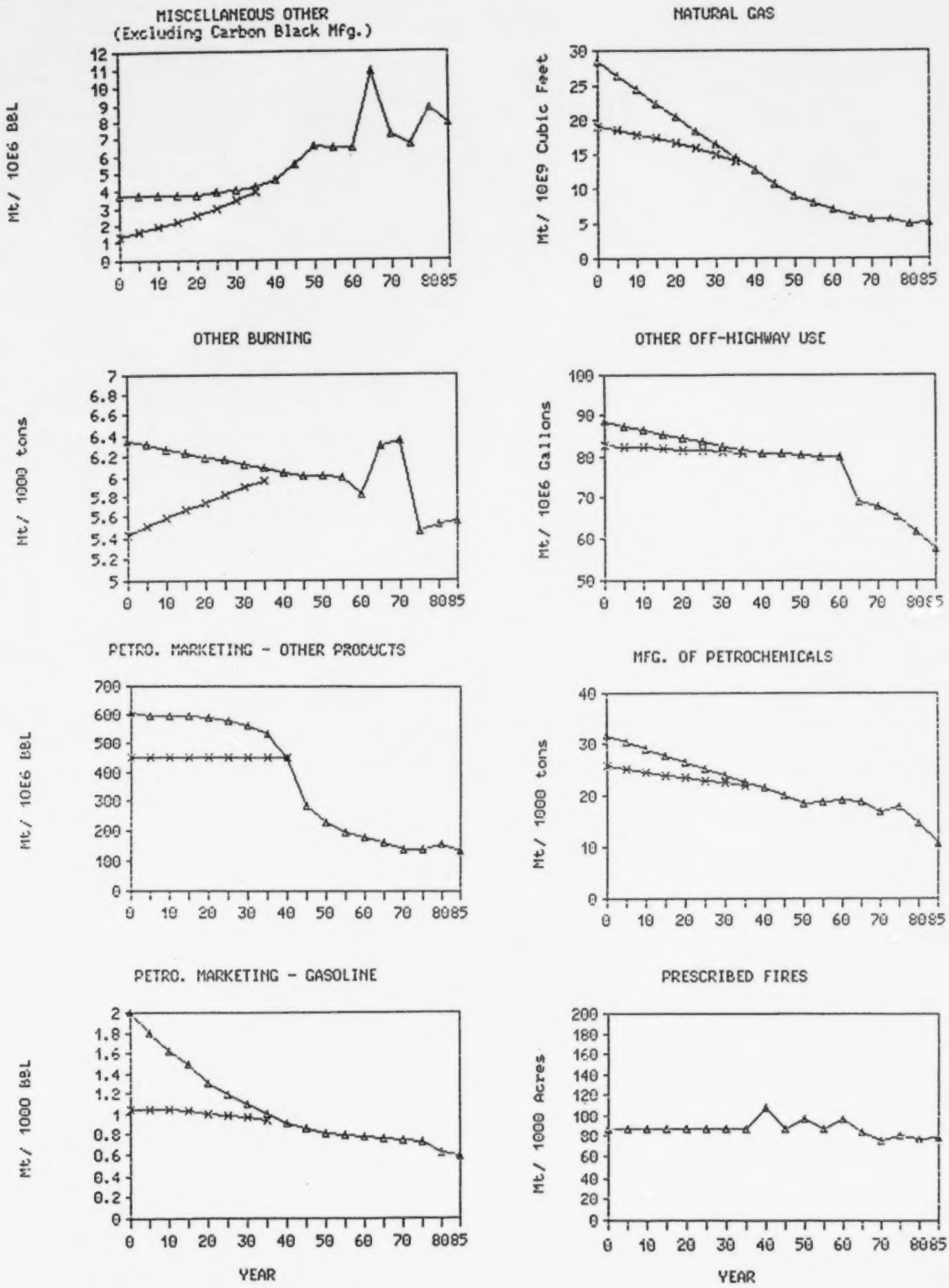
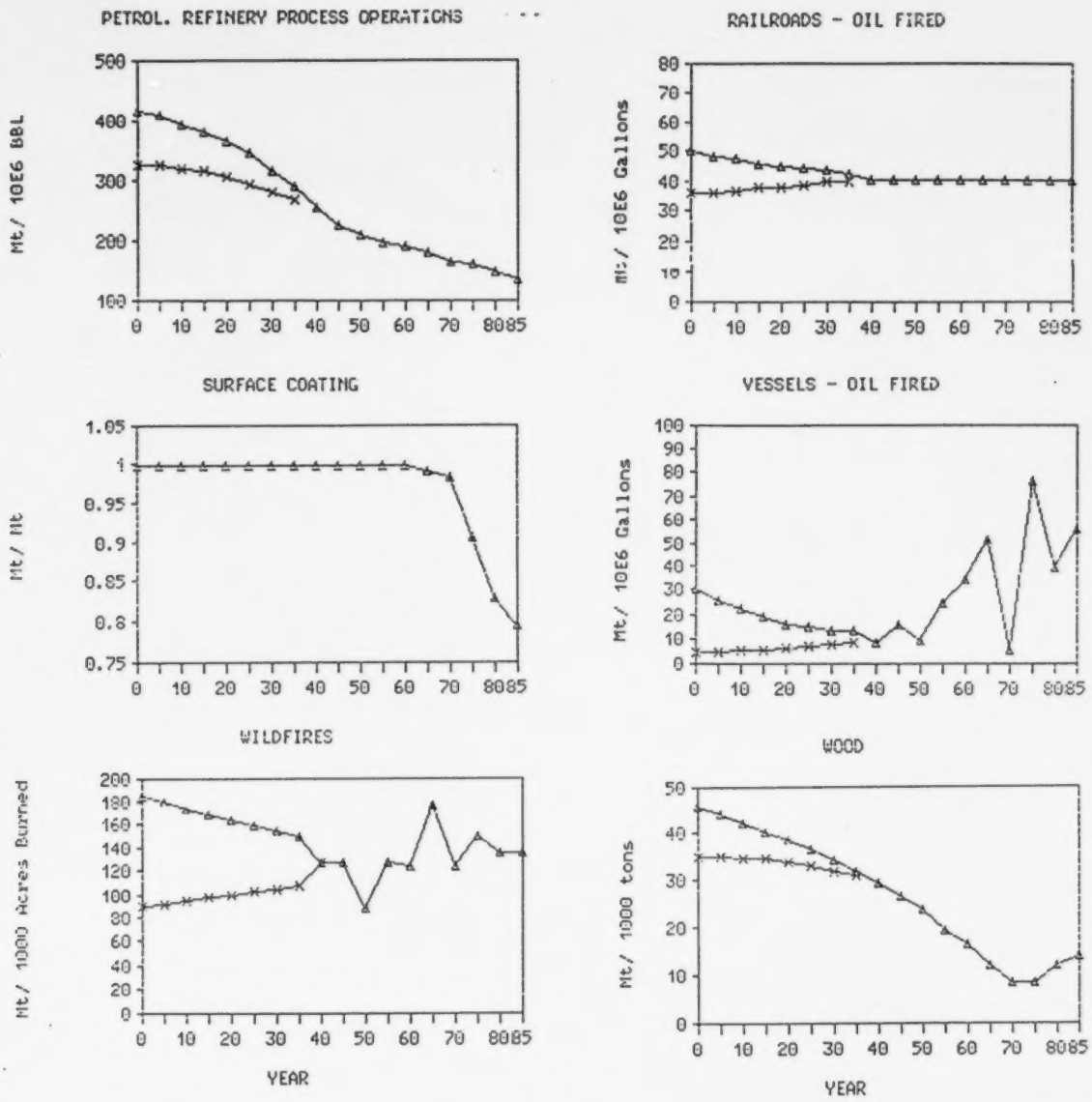


Figure A-1. (continued)



Note: For 1900 to 1940, the emission factors for most subcategories are represented by a range to account for uncertainty as to the true value.

Figure A-1. (continued)

TABLE A-4. SOURCE CATEGORY ACTIVITY FOR THE COTERMINOUS UNITED STATES FROM 1900 TO 1985

SOURCE CATEGORY	1900	1905	1910	1915	1920	1925	1930	1935	1940	1945	1950	1955	1960	1965	1970	1975	1980	1985
TRANSPORTATION																		
Highway Vehicles - (10E9 VMT)	0.1	0.5	3.2	16.3	57.0	122.5	206.6	228.5	304.3	256.6	462.9	586.9	892.8	872.2	1116.1	1330.7	1513.9	1763.9
- (10E6 gallons)	4.0	35.0	227.0	1164.0	3745.5	8749.0	14754.0	16345.0	22001.0	19149.0	35969.4	46583.0	71564.4	69591.3	-	-	-	-
Aircraft (1000 LTO)	0.0	0.0	1.0	50.0	200.0	300.0	400.0	500.0	560.0	9233.5	17907.0	20725.0	23543.0	43509.0	60002.7	65002.3	80244.0	84769.6
Railroads-Oil (10E6 gallons)	54.6	64.4	304.3	667.7	1586.0	3033.2	2851.8	2337.3	2860.0	4818.2	4603.0	4009.9	3869.0	3798.0	3806.0	3938.0	4471.0	3216.2
-Coal (1000 tons)	57290.0	91760.0	115292.0	129037.0	142779.0	118455.0	101899.0	79790.0	86509.0	128317.0	61741.0	16535.0	2349.0	1241.0	721.0	278.0	122.0	4.0
Vessels -Oil (10E6 gallons)	NA	NA	NA	NA	NA	3330.1	3953.5	3132.4	3141.0	3793.0	4445.0	4592.0	4739.0	4245.0	4593.0	5158.0	10135.0	7367.9
-Coal (1000 tons)	NA	NA	NA	NA	NA	NA	NA	NA	2989.0	2515.5	2042.0	1493.5	945.0	1004.0	1072.0	283.0	0.0	0.0
Other Off-Highway Use (10E6 gallons)	0.5	4.2	27.2	139.7	488.2	1049.9	1770.5	1961.4	2647.0	2297.9	5093.0	5590.0	6254.0	7651.0	7890.5	7637.0	7691.7	7830.5
STATIONARY SOURCE FUEL COMBUSTION																		
Anthracite Coal Combustion (1000 tons)	55515.0	75201.0	81110.0	85033.0	85786.0	64061.0	67628.0	51100.0	45302.0	51600.0	38143.0	23972.4	16598.0	10857.0	7296.0	4535.0	3450.0	2718.8
Bituminous Coal Combustion (1000 tons)	102900.0	160391.0	204799.0	256399.0	274939.0	302270.0	283293.0	226016.0	255400.0	335917.0	278800.0	259846.0	286419.0	332825.0	408751.0	463132.0	617827.0	760605.0
Residual Oil (10E6 gal.)	NA	NA	NA	NA	NA	6407.3	6075.6	6147.3	7044.0	11720.5	14448.0	14097.0	16210.2	15864.3	27332.7	30527.1	26607.1	11769.5
Distillate Oil (10E6 gal.)	NA	NA	NA	NA	NA	1510.7	2414.2	3754.3	5562.0	8928.3	12282.0	16374.0	20319.0	21851.4	24076.7	26705.0	17916.1	15201.4
Natural Gas (10E9 cu.ft.)	300.0	400.0	509.1	629.2	820.0	1234.4	496.4	1663.3	1853.0	4226.7	4726.0	8119.5	10894.0	14254.0	15036.0	14542.0	14466.0	12910.0
Wood (1000 tons)	205268.6	195005.0	186794.4	178583.7	170372.9	162162.2	153951.4	147793.4	143688.0	133424.6	114108.0	106374.3	98584.0	103861.5	109139.0	114405.0	168118.0	176909.0
Coke and Other Fuels (mixed units)	5243.2	6846.8	9640.0	10372.9	12653.6	11643.2	11634.0	8418.9	13535.0	11918.4	9549.0	5387.3	2760.4	2482.8	3136.3	1739.5	2447.1	1321.3
INDUSTRIAL PROCESSES																		
Petrol. Ref. Process Oper. (10E6 bbl)	8.2	173.1	264.9	361.2	603.0	981.3	1153.8	1280.5	1716.0	2097.2	2555.0	3415.5	3650.0	3933.0	4337.0	5419.0	6494.0	5549.4
Mfg. of Petrochemicals (1000 tons)	5.5	106.2	148.4	188.3	277.5	442.6	484.1	518.4	680.0	2087.5	3495.0	6935.5	10376.0	16793.0	32871.0	37486.0	52176.0	72068.4
Petrol. Production- Crude (10E6 bbl)	6.4	134.7	206.1	281.1	442.9	763.7	898.0	996.6	1353.0	1713.7	1974.0	2484.4	2574.4	2837.9	3433.4	2985.0	2554.4	2608.5
- Nat. Gas Liquids (10E6 gal)	12.5	263.8	403.7	550.5	867.4	1495.6	1758.6	1951.6	2650.0	6640.9	7648.0	13814.7	14318.0	18545.0	25448.0	25030.0	24183.0	24669.0
Petrol. Marketing - Gasoline(10E6 bbl)	0.1	0.9	6.1	31.2	109.1	234.6	395.7	438.3	590.0	545.1	1024.0	988.5	1523.0	1704.0	2105.0	2394.0	2388.0	2343.0
- Other (10E6 bbl)	1.1	23.2	35.5	48.4	80.8	131.5	154.6	171.6	230.0	421.1	513.0	860.9	920.0	1094.0	1376.0	1465.0	1498.0	1533.0
Surface Coating Operations (1000 tons)	351.2	388.1	475.0	456.7	488.5	528.1	547.7	588.4	609.0	1165.2	1244.0	1361.3	1476.5	1541.0	2424.0	2075.1	2789.4	3063.2
Misc. Indust. Processes (1000 tons)	704.9	14929.2	22843.8	31151.6	52005.0	84637.1	99516.5	110441.6	148006.0	169961.9	207060.5	236724.3	252976.6	329869.0	350972.4	342029.3	312078.2	324730.3
- Carbon Black Mfg. (1000 tons)	0.0	0.4	2.6	13.2	46.0	99.0	167.0	184.7	246.0	356.4	643.0	625.9	952.0	1431.0	1311.0	1310.0	1273.0	1285.0
SOLID WASTE DISPOSAL																		
Incineration (10E6 tons)	26.2	28.9	31.7	34.0	36.4	39.4	42.3	43.9	45.4	59.9	64.0	63.2	68.5	75.7	68.0	42.4	28.4	20.5
Open Burning (10E6 tons)	19.4	21.4	23.4	25.2	27.0	29.1	31.3	32.5	33.6	44.2	47.2	62.8	68.1	81.6	95.0	34.5	24.8	22.2
MISCELLANEOUS OTHER SOURCES																		
Wildfires- Contiguous U.S. (1000 acres)	11374.9	11374.9	11374.9	12702.4	6114.2	23143.9	45810.7	30017.0	22387.4	17663.0	13457.1	8032.4	4429.7	2620.8	3145.4	1632.7	4862.9	5796.4
- All U.S. (1000 acres)	11374.9	11374.9	11374.9	12702.4	6114.2	23143.9	45810.7	30017.0	22782.4	17663.0	15521.0	8067.8	4478.0	2636.4	3278.0	1792.0	4948.0	6029.3
Prescribed Fires (1000 acres)	2400.0	2400.0	2400.0	2400.0	2400.0	2400.0	2400.0	2400.0	2400.0	3000.0	3500.0	3500.0	3500.0	3500.0	3400.0	3200.0	3100.0	3100.0
Other Burning (1000 tons)	59356.2	65591.6	71827.1	77197.3	82567.5	89259.3	95951.2	99440.6	102930.0	102185.0	101440.0	97745.0	94050.0	65270.0	52250.0	21445.0	18100.0	16494.0
Organic Solvent Evapor. (1000 Mt)	468.3	517.4	566.6	609.0	651.4	704.2	756.9	784.5	812.0	1212.1	1294.0	1535.0	1665.0	1833.0	2330.0	1892.0	1866.7	1606.8
OTHER INDICATORS																		
Population (1000's)	76215	84222	92228	99124	106019	114612	123204	127685	132165	141748	151330	165326	179322	191267	203212	215018	226075	238243
Crude Oil Production (1000 bbl)	6361	134717	206136	281104	442929	763743	898011	996596	1353214	1713655	1973541	2484428	2574933	2848514	3517500	3056800	3146400	3274600
Crude Oil Run to Stills (1000 bbl)	6164	130553	199764	272415	454773	740135	870752	965790	1294283	1719534	2094867	2730218	2917661	3300842	3967550	4541330	4920930	4815169
Crude Prod. Per Capita (bbl/person)	0.08	1.60	2.24	2.84	4.18	6.66	7.29	7.81	10.24	12.09	13.04	15.03	14.36	14.89	17.31	14.22	13.92	13.74

APPENDIX B

STATE-LEVEL VOC EMISSIONS BY MAJOR SOURCE CATEGORIES

ALABAMA VOC EMISSIONS (1000 METRIC TONS)

SOURCE CATEGORY	1900	1905	1910	1915	1920	1925	1930	1935	1940	1945	1950	1955	1960	1965	1970	1975	1980	1985
TRANSPORTATION (Total)	3.7	6.1	8.3	11.8	20.6	32.0	44.1	41.9	59.7	68.1	118.8	144.9	197.8	198.8	197.7	203.4	151.5	132.3
Highway Vehicles	0.0	0.1	0.6	3.0	10.4	22.3	35.2	34.5	51.3	53.4	99.9	129.1	173.6	179.2	174.4	158.1	130.7	112.9
Aircraft	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.1	1.1	2.4	3.4	4.5	7.1	4.2	3.2	3.1	3.2
Railroads- Oil-fired	NA	NA	NA	NA	NA	0.2	0.2	0.1	0.2	0.6	1.1	1.9	2.5	2.7	3.4	4.7	5.0	3.6
- Coal-fired	3.7	6.0	7.7	8.8	10.2	9.0	8.1	6.7	7.6	11.7	6.3	1.9	0.3	0.0	0.0	0.0	0.0	0.0
Vessels- Oil-fired	NA	NA	NA	NA	NA	0.5	0.6	0.5	0.4	1.1	0.5	2.4	3.4	3.0	0.5	24.4	5.6	5.7
-Coal-fired	NA	NA	NA	NA	NA	NA	NA	NA	0.2	0.1	0.1	0.2	0.1	0.2	0.2	0.1	0.0	0.0
Other Off-Highway Use	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	8.5	6.1	13.4	6.5	14.9	13.0	7.2	6.8
EXTERNAL FUEL COMBUSTION (Total) . . .	277.5	264.3	251.3	237.7	221.3	203.1	184.3	166.5	150.9	128.1	97.3	78.5	61.9	50.7	38.3	41.2	65.7	79.2
Anthracite Coal	0.0	0.0	0.0	0.0	0.0	0.0	-0.0	-0.0	-0.0	-0.0	0.0	0.0	0.1	0.1	0.0	0.0	0.0	0.1
Bituminous Coal	2.1	3.3	4.3	5.4	5.7	5.9	5.0	3.6	3.7	4.2	2.8	4.3	3.6	3.6	2.6	1.6	1.2	1.4
Residual Oil	NA	NA	NA	NA	NA	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.1	0.1	0.0
Distillate Oil	NA	NA	NA	NA	NA	0.0	0.0	0.0	0.0	0.0	0.1	0.1	0.0	0.0	0.0	0.1	0.0	0.0
Natural Gas	NA	NA	-0.0	0.0	-0.0	-0.0	0.0	0.2	0.2	0.5	0.6	1.1	1.1	1.3	1.3	1.1	1.0	0.9
Wood	273.5	259.1	245.0	230.5	214.1	195.9	178.0	161.7	145.5	122.0	92.6	71.9	56.3	45.4	33.5	37.3	62.5	76.0
Coke and Other Fuels	1.9	1.8	1.9	1.7	1.6	1.3	1.2	0.9	1.5	1.3	1.2	1.0	0.8	0.3	0.9	0.9	0.8	0.7
INDUSTRIAL PROCESSES (Total)	4.3	5.4	7.4	7.9	11.7	31.9	35.8	38.9	51.5	94.3	96.9	96.8	106.9	145.2	148.1	137.0	159.7	157.1
Petroleum Refinery Process Operations	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.9	0.9	1.2	1.4	1.1
Manufacture of Petrochemicals	0.0	0.1	0.1	0.1	0.2	0.2	0.2	0.3	0.3	0.9	1.3	2.5	3.6	5.5	9.3	11.4	12.9	13.2
Petrol. Production- Crude Oil	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.1	0.5	0.5	0.5	0.9	1.4	1.4
- Nat.Gas Liquids	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.2	0.3	0.3	0.7	1.3	1.3
Petrol. Marketing - Gasoline	0.0	0.0	0.6	0.4	1.4	3.1	4.5	4.3	6.1	6.6	12.3	12.9	20.6	22.7	24.6	32.7	28.7	26.5
- Other Prod.	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	1.4	2.3	2.2	2.5	3.2	4.1	5.4	4.8
Surface Coating Operations	4.2	4.6	4.9	5.2	5.4	19.5	18.1	19.7	22.9	58.8	41.6	41.3	41.6	43.2	60.9	45.2	60.3	63.6
Misc. Indust. Processes	0.0	0.7	1.2	1.8	3.2	5.9	7.7	9.6	14.7	19.5	27.6	29.6	29.9	63.3	44.5	39.1	46.8	43.8
- Carbon Black Mfg.	0.0	0.0	0.6	0.4	1.5	3.2	5.2	5.0	7.5	8.4	12.6	8.2	8.3	6.3	4.0	1.7	1.6	1.4
SOLID WASTE DISPOSAL (Total)	17.7	17.9	18.1	17.7	17.4	17.4	17.6	17.5	17.5	21.7	21.9	24.7	25.6	29.1	30.5	15.2	11.4	10.2
Incineration	11.3	11.1	10.7	10.0	9.2	8.8	8.4	8.0	7.6	9.1	8.9	8.3	8.6	9.5	8.5	7.1	5.6	5.1
Open Burning	6.3	6.9	7.4	7.8	8.1	8.7	9.2	9.5	9.8	12.6	13.0	16.4	17.0	19.6	22.0	8.1	5.7	5.1
MISCELLANEOUS OTHER SOURCES (Total). .	96.1	97.7	99.3	146.0	96.3	458.7	234.9	300.3	120.3	130.4	75.1	71.3	60.3	60.6	75.6	45.4	53.2	51.8
Wildfires	75.2	75.2	75.2	120.9	69.8	431.7	205.4	270.2	87.9	90.3	32.6	26.5	14.6	16.2	25.8	6.4	15.7	18.7
Prescribed Fires	3.6	3.6	3.6	3.5	3.5	3.3	3.5	3.4	4.4	4.4	5.8	5.2	5.8	5.1	4.4	4.6	4.1	4.2
Other Burning	6.1	6.7	7.3	7.8	8.4	8.4	9.7	9.8	10.5	10.4	10.4	10.0	9.4	7.0	5.7	2.0	1.7	1.6
Organic Solvent Evaporation	11.3	12.2	13.2	13.8	14.5	15.4	16.3	16.9	17.5	25.3	26.3	29.5	30.5	32.3	39.7	32.6	31.7	27.3
TOTAL (ALL SOURCE CATEGORIES)	399.2	391.4	384.3	421.1	367.3	743.1	516.6	565.0	399.8	442.6	410.0	416.3	452.4	484.4	490.1	442.1	441.4	430.5

ACTIVITY INDICATORS 1900-1980 FOR STATE OF ALABAMA

SOURCE CATEGORY	1900	1905	1910	1915	1920	1925	1930	1935	1940	1945	1950	1955	1960	1965	1970	1975	1980
BITUMINOUS COAL (1000 TONS)	1370.2	2000.0	2633.5	3370.8	3607.8	3870.2	3474.2	2672.3	3040.8	3874.4	2685.0	6256.0	7827.0	14964.0	18174.0	21422.0	20967.0
ANTHRACITE COAL (1000 TONS)	5.3	7.2	7.7	8.1	8.2	6.1	-1.0	-1.0	-1.0	-1.0	0.0	0.0	24.0	38.0	0.0	0.0	47.0
RESIDUAL OIL (1000 BBL)	-3.0	-3.0	-3.0	-3.0	-3.0	165.0	173.0	195.0	319.0	913.0	1059.0	1398.0	1900.0	806.0	1646.0	6101.0	4363.0
DISTILLATE OIL (1000 BBL)	-3.0	-3.0	-3.0	-3.0	-3.0	92.7	122.4	169.0	313.0	862.0	1931.0	2603.0	2396.0	1767.0	2761.0	5665.0	2777.0
NATURAL GAS (10E6 CU. FT.)	-4.0	-4.0	-2.0	182.0	-1.0	-1.0	1155.0	14937.0	23441.0	49974.0	108862.0	168739.0	186011.0	232093.0	298497.0	264088.0	269240.0
WOOD (1000 TONS)	5225.0	4963.8	4754.8	4545.8	4336.8	4127.8	3918.8	3762.0	3657.5	3396.3	3135.0	2862.0	2656.0	2770.0	3045.0	3350.0	3936.0
HIGHWAY VEHICLES																	
GASOLINE (1000 GAL)	-1.0	-1.0	-1.0	-1.0	-1.0	101986.0	164428.0	166013.0	250234.0	274086.0	526142.0	773575.0	1004290.0	1248551.0	-1.0	-1.0	-1.0
DIESEL (1000 GAL)	-1.0	-1.0	-1.0	-1.0	-1.0	-1.0	-1.0	-1.0	-1.0	-1.0	10584.0	13062.0	25536.0	49728.0	120540.0	182994.0	317940.0
VMT (10E6 MILES)	-1.0	-1.0	-1.0	-1.0	-1.0	-1.0	-1.0	-1.0	-1.0	-1.0	-1.0	-1.0	-1.0	-1.0	17571.0	24838.0	29027.0
MISCELLANEOUS																	
RAILROADS-COAL (1000 TON	887.9	1322.3	1698.1	1943.3	2247.4	1972.4	1789.3	1473.8	1698.9	2568.8	1411.0	439.0	89.0	0.0	0.0	0.0	0.0
RAILROADS-OIL (1000 BBL)	-1.0	-1.0	-1.0	-1.0	-1.0	132.4	124.5	102.0	119.0	390.0	640.0	1163.0	1459.0	1597.0	2009.0	2723.0	2955.0
COKE PL (1000 TONS COAL)	3202.3	4053.8	5527.2	5754.1	6808.5	6087.6	5734.5	3815.4	5607.5	5938.3	8221.0	8540.0	6719.0	7219.0	8533.0	6783.0	5013.0
VES FUEL OIL (1000 BBL)	-1.0	-1.0	-1.0	-1.0	-1.0	1512.8	1796.0	1423.0	1195.0	2153.0	305.8	674.8	586.1	302.5	475.3	1846.8	824.6
CEMENT PL (1000 TONS)	0.0	-1.0	-1.0	-1.0	-1.0	1182.0	906.0	469.0	962.0	1042.0	1950.0	2286.0	2244.0	2649.0	2405.0	1995.0	2520.0
POPULATION (1000's)	1829.0	1983.5	2138.0	2243.0	2348.0	2497.0	2646.0	2739.5	2833.0	2947.5	3062.0	3164.5	3267.0	3355.5	3444.0	3679.0	4021.0
FOREST FIRES (1000 ACRES	592.0	592.0	592.0	951.8	549.7	3398.6	1617.2	2127.1	894.3	710.8	420.4	209.8	117.0	91.6	140.7	42.9	123.2
CRUDE OIL PROD. (1000 BB	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	[illegible].0	735.0	1411.0	7329.0	8064.0	7263.0	13477.0	22153.0
CRUDE OIL RUN (1000 BBL)	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	[illegible].0	0.0	0.0	0.0	4091.0	5084.0	6138.0	6935.0
OFF-HIGHWAY VEH. (1000 B	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	290.0	282.0	1001.0	614.0	1368.0	1246.0	676.0
LAND AREA (1000 SQ.MI.)	50.7																

NOTE:Negative number indicates missing datum;see footnote at end of table

ARIZONA VOC EMISSIONS (1000 METRIC TONS)

SOURCE CATEGORY	1900	1905	1910	1915	1920	1925	1930	1935	1940	1945	1950	1955	1960	1965	1970	1975	1980	1985
TRANSPORTATION (Total)	0.9	1.7	2.7	4.2	6.8	12.6	20.1	18.7	25.9	26.9	53.5	66.9	104.0	109.8	128.1	109.2	97.2	84.7
Highway Vehicles	0.0	0.0	0.2	0.8	2.9	6.3	14.5	14.3	20.5	21.2	43.8	58.7	91.2	95.4	120.3	101.7	84.7	73.2
Aircraft	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.2	0.6	1.1	1.8	3.3	2.2	2.0	2.4	2.5
Railroads- Oil-fired	NA	NA	NA	NA	NA	3.2	3.0	2.5	3.4	2.7	2.3	0.1	1.6	2.0	1.8	1.8	2.2	1.6
- Coal-fired	0.9	1.7	2.6	3.3	3.8	3.1	2.6	1.9	2.0	2.8	1.5	0.5	0.8	0.1	0.1	0.0	0.0	0.0
Vessels- Oil-fired	NA	NA	NA	NA	NA	-0.0	-0.0	-0.0	-0.0	-0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
-Coal-fired	NA	NA	NA	NA	NA	NA	NA	NA	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Other Off-Highway Use	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	5.3	6.5	8.6	9.0	3.8	3.7	7.9	7.4
EXTERNAL FUEL COMBUSTION (Total) . . .	26.9	25.5	24.2	22.8	21.3	19.7	17.9	16.4	14.7	12.6	9.6	7.2	5.6	4.5	3.7	4.7	8.7	10.4
Anthracite Coal	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Bituminous Coal	0.0	0.1	0.1	0.2	0.3	0.4	0.4	0.3	0.3	0.3	0.1	0.1	0.0	0.1	0.1	0.3	0.8	0.9
Residual Oil	NA	NA	NA	NA	NA	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.1	0.0	0.0
Distillate Oil	NA	NA	NA	NA	NA	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.1	0.0	0.0
Natural Gas	NA	NA	-0.0	-0.0	-0.0	-0.0	-0.0	0.2	0.2	0.3	0.4	0.7	0.8	0.9	0.8	0.7	0.6	0.5
Wood	26.9	25.5	24.1	22.6	21.0	19.2	17.5	15.9	14.3	12.0	9.1	6.5	4.7	3.5	2.8	3.5	7.3	8.9
Coke and Other Fuels	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
INDUSTRIAL PROCESSES (Total)	0.3	0.4	0.6	1.1	2.1	3.6	6.3	6.6	9.2	12.9	28.3	32.3	44.2	62.2	77.0	84.4	107.1	105.0
Petroleum Refinery Process Operations	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Manufacture of Petrochemicals	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.1	0.2	0.3	0.8	1.4	2.5	4.8	7.1	10.2	10.5
Petrol. Production- Crude Oil	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.1	0.0	0.0	0.0
- Nat.Gas Liquids	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.1	0.0	0.0	0.0
Petrol. Marketing - Gasoline	0.0	0.0	0.0	0.1	0.4	0.9	1.9	1.8	2.4	2.6	5.2	5.8	10.7	12.1	17.0	21.0	18.6	17.2
- Other Prod.	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	1.6	1.4	1.6	1.2	3.0	3.1	3.7	3.3
Surface Coating Operations	0.3	0.3	0.5	0.6	0.8	0.9	1.0	1.1	1.2	2.6	9.1	11.1	14.3	14.1	26.5	27.6	36.4	38.4
Misc. Indust. Processes	0.0	0.1	0.1	0.2	0.5	0.9	1.3	1.6	2.6	4.1	6.8	9.6	11.9	29.0	22.9	24.3	37.1	34.7
- Carbon Black Mfg.	0.0	0.0	0.0	0.1	0.4	0.9	2.1	2.1	3.0	3.3	5.3	3.7	4.3	3.3	2.7	1.1	1.0	0.9
SOLID WASTE DISPOSAL (Total)	1.2	1.5	1.7	2.1	2.5	2.7	2.9	3.0	3.1	4.6	5.4	8.0	10.2	13.3	15.7	9.4	9.0	8.1
Incineration	0.8	0.9	1.0	1.2	1.3	1.4	1.4	1.4	1.3	1.9	2.2	2.7	3.4	4.4	4.4	4.4	4.5	4.0
Open Burning	0.4	0.6	0.7	0.9	1.2	1.3	1.5	1.6	1.7	2.7	3.2	5.3	6.8	9.0	11.3	5.0	4.5	4.1
MISCELLANEOUS OTHER SOURCES (Total). .	24.8	18.1	28.2	30.0	30.8	32.2	33.9	39.3	40.0	39.7	44.5	47.4	50.9	45.5	49.8	42.1	66.2	68.1
Wildfires	2.2	2.2	2.2	2.2	1.5	0.7	0.2	4.9	2.7	0.4	1.3	3.5	4.6	3.6	6.9	7.5	28.1	33.5
Prescribed Fires	8.1	8.1	8.1	8.1	8.1	8.1	8.2	8.2	10.1	10.1	13.2	11.8	13.1	11.3	9.8	9.9	9.1	9.4
Other Burning	13.8	6.8	16.7	18.0	19.2	20.9	22.8	23.4	24.1	23.8	23.6	22.5	21.0	15.8	12.7	4.5	3.8	3.5
Organic Solvent Evaporation	0.8	1.0	1.3	1.7	2.1	2.4	2.7	2.9	3.1	5.4	6.4	9.6	12.1	14.8	20.4	20.2	25.1	21.6
TOTAL (ALL SOURCE CATEGORIES)	54.1	47.3	57.5	60.2	63.5	70.8	81.1	84.1	92.9	96.7	141.2	161.8	214.8	235.3	274.3	249.8	288.2	276.3

ACTIVITY INDICATORS 1900-1980 FOR STATE OF ARIZONA

SOURCE CATEGORY	1900	1905	1910	1915	1920	1925	1930	1935	1940	1945	1950	1955	1960	1965	1970	1975	1980
BITUMINOUS COAL (1000 TONS)	29.0	51.3	78.8	118.0	185.1	295.3	293.6	221.6	226.0	255.7	117.0	102.0	87.0	449.0	527.0	3985.0	13165.0
ANTHRACITE COAL (1000 TONS)	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
RESIDUAL OIL (1000 BBL)	-3.0	-3.0	-3.0	-3.0	-3.0	1992.7	1823.3	1767.0	1261.0	1050.0	150.0	51.0	76.0	31.0	58.0	5133.0	1037.0
DISTILLATE OIL (1000 BBL)	-3.0	-3.0	-3.0	-3.0	-3.0	227.2	232.9	273.0	234.0	370.0	516.0	734.0	764.0	926.0	1631.0	6733.0	2916.0
NATURAL GAS (10E6 CU. FT.)	-4.0	-4.0	-2.0	-2.0	-1.0	-1.0	-1.0	11553.4	18002.0	24579.0	67226.0	102220.0	136324.0	156144.0	192946.0	156222.0	165850.0
WOOD (1000 TONS)	513.3	487.7	467.1	446.6	426.1	405.5	385.0	369.6	359.3	333.7	308.0	257.0	222.0	215.0	252.0	315.0	461.0
HIGHWAY VEHICLES																	
GASOLINE (1000 GAL)	-1.0	-1.0	-1.0	-1.0	-1.0	28864.0	67616.0	68714.0	99998.0	108820.0	221925.0	348590.0	522374.0	667079.0	-1.0	-1.0	-1.0
DIESEL (1000 GAL)	-1.0	-1.0	-1.0	-1.0	-1.0	-1.0	-1.0	-1.0	-1.0	-1.0	13524.0	8904.0	18690.0	23940.0	111846.0	138306.0	215754.0
VMT (10E6 MILES)	-1.0	-1.0	-1.0	-1.0	-1.0	-1.0	-1.0	-1.0	-1.0	-1.0	-1.0	-1.0	-1.0	-1.0	12119.0	15983.0	18816.0
MISCELLANEOUS																	
RAILROADS-COAL (1000 TON	210.6	378.1	566.0	735.5	842.4	677.6	564.5	427.7	448.5	612.0	333.0	108.0	228.0	11.0	5.0	0.0	0.0
RAILROADS-OIL (1000 BBL)	-1.0	-1.0	-1.0	-1.0	-1.0	2372.2	2230.3	1828.0	1982.0	1749.0	1343.0	66.0	956.0	1164.0	1033.0	1059.0	1298.0
COKE PL (1000 TONS COAL)	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
VES FUEL OIL (1000 BBL)	-1.0	-1.0	-1.0	-1.0	-1.0	-1.0	-1.0	-1.0	-1.0	-1.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
CEMENT PL (1000 TONS)	0.0	-1.0	-1.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	404.0	552.0	708.0	703.0	952.0	1207.0	1290.0
POPULATION (1000's)	123.0	163.5	204.0	269.0	334.0	385.0	436.0	467.5	499.0	624.5	750.0	1026.0	1302.0	1536.5	1771.0	2285.0	3187.0
FOREST FIRES (1000 ACRES	17.1	17.1	17.1	17.7	12.1	5.7	1.4	38.5	27.6	3.5	17.3	27.7	37.2	20.5	37.6	50.1	220.5
CRUDE OIL PROD. (1000 BB	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	73.0	97.0	1784.0	635.0	406.0
CRUDE OIL RUN (1000 BBL)	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
OFF-HIGHWAY VEH. (1000 B	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	181.0	301.0	644.0	847.0	345.0	352.0	737.0
LAND AREA (1000 SQ.MI.)	113.4																

NOTE:Negative number indicates missing datum;see footnote at end of table

ARKANSAS VOC EMISSIONS (1000 METRIC TONS)

SOURCE CATEGORY	1900	1905	1910	1915	1920	1925	1930	1935	1940	1945	1950	1955	1960	1965	1970	1975	1980	1985
TRANSPORTATION (Total)	2.8	4.7	6.4	9.0	15.0	24.9	35.1	32.3	42.8	47.0	84.6	91.4	116.6	125.0	126.5	105.6	92.8	81.3
Highway Vehicles	0.0	0.1	0.4	2.2	7.5	16.2	27.6	26.5	36.5	37.4	66.8	79.4	103.3	111.5	112.0	88.8	73.1	63.2
Aircraft	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.7	1.5	2.0	2.4	3.9	2.4	1.9	1.8	1.9
Railroads- Oil-fired	NA	NA	NA	NA	NA	2.6	2.5	2.0	2.3	3.4	4.4	1.5	1.1	1.8	2.0	4.1	2.8	2.0
- Coal-fired	2.8	4.6	5.9	6.8	7.5	6.0	5.0	3.8	3.9	5.4	2.9	0.9	0.1	0.2	0.1	0.0	0.0	0.0
Vessels- Oil-fired	NA	NA	NA	NA	NA	-0.0	-0.0	-0.0	-0.0	0.0	0.1	0.2	0.0	0.4	0.0	1.0	0.1	0.1
-Coal-fired	NA	NA	NA	NA	NA	NA	NA	NA	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Other Off-Highway Use	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	8.8	7.3	9.6	7.2	10.0	9.8	15.0	14.2
EXTERNAL FUEL COMBUSTION (Total) . . .	231.4	219.6	208.0	196.1	182.5	167.7	151.6	137.6	123.7	104.6	79.1	61.4	47.5	35.2	23.6	24.5	43.3	52.2
Anthracite Coal	0.0	0.0	0.0	0.0	0.0	0.0	-0.0	-0.0	-0.0	-0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Bituminous Coal	0.5	0.8	1.1	1.4	1.4	1.3	1.1	0.7	0.5	0.5	0.0	0.0	0.0	0.0	0.0	0.0	0.2	0.3
Residual Oil	NA	NA	NA	NA	NA	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.1	0.1	0.0
Distillate Oil	NA	NA	NA	NA	NA	0.0	0.0	0.0	0.0	0.0	0.1	0.0	0.0	0.0	0.0	0.1	0.0	0.0
Natural Gas	NA	NA	0.0	0.0	0.4	0.9	0.2	0.4	0.4	1.1	0.9	1.6	1.4	1.6	1.6	1.1	1.0	0.9
Wood	230.9	218.8	206.9	194.6	180.7	165.4	150.3	136.5	122.8	103.0	78.1	59.7	46.1	33.5	21.9	23.2	42.0	51.0
Coke and Other Fuels	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
INDUSTRIAL PROCESSES (Total)	3.9	4.4	5.5	6.8	10.2	21.3	21.6	21.9	30.2	38.4	57.7	56.2	59.4	80.9	84.9	84.9	96.6	92.9
Petroleum Refinery Process Operations	0.0	0.5	0.7	1.0	1.5	2.4	2.7	2.7	3.8	4.1	5.2	6.3	5.1	6.2	6.5	8.4	9.6	7.5
Manufacture of Petrochemicals	0.0	0.0	0.1	0.1	0.1	0.2	0.2	0.2	0.2	0.6	0.8	1.5	2.0	3.1	5.2	6.7	7.6	7.7
Petrol. Production- Crude Oil	0.0	0.0	0.0	0.0	0.0	4.9	1.2	0.7	1.6	1.8	2.0	1.8	1.9	1.6	1.1	1.0	1.1	1.2
- Nat.Gas Liquids	0.0	0.0	0.0	0.0	0.0	0.9	0.2	0.1	0.3	0.7	0.7	0.9	1.0	1.0	0.8	0.8	1.0	1.1
Petrol. Marketing - Gasoline	0.0	0.0	0.1	0.3	1.0	2.2	3.6	3.3	4.3	4.6	8.2	7.9	12.3	14.2	15.8	18.4	16.0	14.8
- Other Prod.	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	1.1	1.5	1.0	1.1	2.6	3.1	3.5	3.1
Surface Coating Operations	3.9	3.3	3.6	3.8	4.0	4.2	4.3	4.4	4.5	7.9	14.0	14.1	14.8	14.7	25.5	22.6	29.4	31.0
Misc. Indust. Processes	0.0	0.5	0.9	1.3	2.4	4.3	5.4	6.7	10.1	12.8	17.2	17.3	16.3	35.0	24.8	23.0	27.5	25.7
- Carbon Black Mfg.	0.0	0.0	0.1	0.3	1.1	2.3	4.1	3.9	5.3	5.9	8.4	5.0	5.0	3.9	2.5	1.0	0.9	0.8
SOLID WASTE DISPOSAL (Total)	12.7	13.1	13.3	13.2	13.0	12.6	12.3	12.2	12.0	14.2	13.7	14.4	14.0	16.1	17.0	8.9	6.7	6.0
Incineration	8.1	8.1	7.9	7.4	6.9	6.3	5.9	5.6	5.2	6.0	5.5	4.9	4.7	5.3	4.8	4.2	3.3	3.0
Open Burning	4.5	5.0	5.5	5.8	6.1	6.3	6.4	6.6	6.8	8.2	8.1	9.6	9.3	10.8	12.3	4.7	3.4	3.0
MISCELLANEOUS OTHER SOURCES (Total). .	100.2	101.5	103.1	107.8	51.0	1024.7	651.4	211.6	166.1	52.1	46.0	47.8	69.4	44.1	56.0	32.0	44.9	46.2
Wildfires	82.3	82.3	82.3	85.8	27.8	1003.4	627.9	186.1	139.1	20.1	12.9	14.9	37.2	13.9	23.5	6.3	20.4	24.3
Prescribed Fires	3.6	3.6	3.6	3.6	3.7	2.8	3.2	3.6	4.4	4.6	6.0	5.4	5.9	5.2	4.5	4.5	4.2	4.3
Other Burning	6.2	6.7	7.5	8.1	8.7	7.3	8.9	10.2	10.6	10.8	10.7	10.3	9.5	7.2	5.8	2.0	1.7	1.6
Organic Solvent Evaporation	8.1	8.9	9.7	10.2	10.8	11.1	11.4	11.7	12.0	16.6	16.4	17.2	16.7	17.9	22.2	19.1	18.6	16.0
TOTAL (ALL SOURCE CATEGORIES)	351.0	343.2	336.2	332.8	271.8	1251.2	872.1	415.6	374.9	256.3	281.1	271.3	306.8	301.3	308.0	255.9	284.3	278.7

ACTIVITY INDICATORS 1900-1980 FOR STATE OF ARKANSAS

SOURCE CATEGORY	1900	1905	1910	1915	1920	1925	1930	1935	1940	1945	1950	1955	1960	1965	1970	1975	1980
BITUMINOUS COAL (1000 TONS)	335.4	498.0	665.3	873.1	886.0	880.3	758.6	498.6	442.4	428.5	8.0	52.0	31.0	35.0	0.0	34.0	3757.0
ANTHRACITE COAL (1000 TONS)	0.5	0.7	0.8	0.8	0.8	0.6	-1.0	-1.0	-1.0	-1.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
RESIDUAL OIL ()000 BBL)	-3.0	-3.0	-3.0	-3.0	-3.0	387.8	475.8	619.0	609.0	279.0	256.0	169.0	471.0	353.0	1530.0	8803.0	4668.0
DISTILLATE OIL (1000 BBL)	-3.0	-3.0	-3.0	-3.0	-3.0	358.0	416.5	525.0	538.0	1084.0	2000.0	1504.0	514.0	702.0	1588.0	4068.0	1187.0
NATURAL GAS (10E6 CU. FT.)	-4.0	-4.0	-4.0	838.0	19333.1	52134.9	38231.0	24694.9	39719.0	98925.0	155092.0	243671.0	227887.0	300481.0	381951.0	254020.0	273720.0
WOOD (1000 TONS)	4411.7	4191.1	4014.6	3838.1	3661.7	3485.2	3308.8	3176.4	3088.2	2867.6	2647.0	2374.0	2176.0	2043.0	1992.0	2085.0	2642.0
HIGHWAY VEHICLES																	
GASOLINE (1000 GAL)	-1.0	-1.0	-1.0	-1.0	-1.0	73833.0	128931.0	127354.0	178275.0	191823.0	351190.0	475453.0	601033.0	784540.0	-1.0	-1.0	-1.0
DIESEL (1000 GAL)	-1.0	-1.0	-1.0	-1.0	-1.0	-1.0	-1.0	-1.0	-1.0	-1.0	8022.0	8610.0	11592.0	23016.0	99204.0	138894.0	207564.0
VMT (10E6 MILES)	-1.0	-1.0	-1.0	-1.0	-1.0	-1.0	-1.0	-1.0	-1.0	-1.0	-1.0	-1.0	-1.0	-1.0	11285.0	13943.0	16232.0
MISCELLANEOUS																	
RAILROADS-COAL (1000 TON	677.9	1013.9	1307.3	1500.7	1647.7	1325.6	1103.5	836.2	877.7	1195.9	651.0	211.0	44.0	22.0	10.0	0.0	0.0
RAILROADS-OIL (1000 BBL)	-1.0	-1.0	-1.0	-1.0	-1.0	1934.9	1819.2	1491.0	1351.0	2203.0	2589.0	947.0	627.0	1050.0	1197.0	2394.0	1630.0
COKE PL (1000 TONS COAL)	0.0	0.0	0.0	0.0	0.0	0.0	1.4	2.5	6.5	10.5	0.0	0.0	0.0	0.0	0.0	0.0	0.0
VES FUEL OIL (1000 BBL)	-1.0	-1.0	-1.0	-1.0	-1.0	-1.0	-1.0	-1.0	-1.0	53.0	59.0	59.5	2.8	40.3	7.5	78.5	14.0
CEMENT PL (1000 TONS)	7.5	-1.0	0.0	0.0	0.0	0.0	-1.0	-1.0	-1.0	-1.0	413.0	523.0	593.0	648.0	839.0	899.0	1109.0
POPULATION (1000's)	1312.0	1443.0	1574.0	1663.0	1752.0	1803.0	1854.0	1901.5	1949.0	1929.5	1910.0	1848.0	1786.0	1854.5	1923.0	2160.0	2359.0
FOREST FIRES (1000 ACRES	647.8	647.8	647.8	675.8	219.2	7900.0	4943.8	1465.1	1415.2	158.1	166.2	118.2	298.9	78.7	128.2	42.1	159.9
CRUDE OIL PROD. (1000 BB	0.0	0.0	0.0	0.0	0.0	77398.0	19702.0	11008.0	25775.0	28613.0	31108.0	28369.0	30117.0	25930.0	18035.0	16133.0	18210.0
CRUDE OIL RUN (1000 BBL)	488.1	1033.6	1581.6	2156.7	3398.3	5859.7	6890.0	7410.0	11257.0	14857.0	20294.0	24948.0	21691.0	28835.0	35834.0	43261.0	48878.0
OFF-HIGHWAY VEH. (1000 B	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	302.0	337.0	719.0	677.0	915.0	945.0	1411.0
LAND AREA (1000 SQ.MI.)	51.9																

NOTE:Negative number indicates missing datum;see footnote at end of table

CALIFORNIA VOC EMISSIONS (1000 METRIC TONS)

SOURCE CATEGORY	1900	1905	1910	1915	1920	1925	1930	1935	1940	1945	1950	1955	1960	1965	1970	1975	1980	1985
TRANSPORTATION (Total)	10.3	15.8	22.8	46.1	118.7	216.6	300.3	320.4	407.7	430.7	747.3	802.9	1125.5	1253.0	1239.8	982.5	878.6	782.6
Highway Vehicles	0.1	0.9	5.6	28.8	100.7	164.3	249.5	279.3	361.9	352.5	629.8	674.7	993.9	1066.8	1161.3	844.0	701.8	606.5
Aircraft	0.0	0.0	0.0	0.0	0.0	0.0	0.1	0.1	0.1	3.3	8.5	14.2	21.6	37.9	24.6	19.0	20.1	20.7
Railroads- Oil-fired	NA	NA	NA	NA	NA	29.4	27.7	22.7	28.1	46.8	26.7	18.0	10.2	14.3	17.2	11.2	12.4	8.9
- Coal-fired	10.2	15.0	17.1	17.3	18.0	14.5	12.1	9.1	9.4	13.1	7.0	2.3	0.4	0.5	0.3	0.0	0.0	0.0
Vessels- Oil-fired	NA	NA	NA	NA	NA	8.3	11.0	9.2	8.2	15.1	8.7	22.0	42.8	51.7	5.7	70.5	115.5	119.2
-Coal-fired	NA	NA	NA	NA	NA	NA	NA	NA	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Other Off-Highway Use	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	66.7	71.7	56.7	81.8	30.7	37.7	28.8	27.3
EXTERNAL FUEL COMBUSTION (Total) . . .	434.1	411.7	390.1	367.2	341.8	315.2	284.6	260.3	234.6	201.0	153.2	130.4	109.7	102.7	84.3	92.0	163.0	194.9
Anthracite Coal	0.0	0.0	0.0	0.0	0.0	0.0	-0.0	-0.0	-0.0	-0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Bituminous Coal	0.8	1.1	1.3	1.5	1.3	1.1	0.9	0.6	0.5	0.5	1.1	0.7	0.0	0.1	0.0	0.0	0.1	0.1
Residual Oil	NA	NA	NA	NA	NA	0.2	0.2	0.2	0.3	0.9	0.6	0.7	0.5	0.4	0.5	1.2	1.2	0.5
Distillate Oil	NA	NA	NA	NA	NA	0.0	0.1	0.1	0.1	0.2	0.3	0.3	0.1	0.1	0.2	0.3	0.2	0.1
Natural Gas	NA	NA	0.6	0.5	1.4	3.5	1.4	3.1	3.1	5.9	4.5	5.6	7.7	9.7	8.9	7.8	6.4	5.8
Wood	433.3	410.6	388.2	365.2	339.1	310.4	282.0	256.2	230.5	193.4	146.6	122.9	101.2	92.3	74.5	82.5	154.7	188.1
Coke and Other Fuels	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.2	0.2	0.1	0.2	0.2	0.1	0.2	0.3	0.3	0.2
INDUSTRIAL PROCESSES (Total)	4.9	26.2	30.3	54.0	84.4	171.0	194.6	235.8	278.1	445.2	500.6	522.0	620.1	841.7	928.7	845.8	1027.5	979.9
Petroleum Refinery Process Operations	0.6	11.7	17.5	23.1	37.2	56.9	63.7	64.8	67.7	86.8	82.0	84.9	89.7	88.1	91.9	113.5	139.7	108.8
Manufacture of Petrochemicals	0.0	0.1	0.1	0.1	0.2	0.4	0.5	0.6	0.8	2.6	4.5	10.4	17.4	29.4	53.9	66.5	84.6	86.5
Petrol. Production- Crude Oil	0.0	2.1	4.6	5.5	6.5	14.7	14.4	13.1	14.1	20.6	20.7	22.4	18.9	20.0	23.5	20.3	22.5	23.0
- Nat.Gas Liquids	0.0	0.4	0.9	1.0	1.2	2.7	2.7	2.4	2.6	7.6	7.6	11.8	10.0	12.4	16.6	16.2	20.3	20.7
Petrol. Marketing - Gasoline	0.0	0.0	0.1	0.4	1.3	22.5	32.2	34.8	43.0	43.7	74.8	65.6	116.1	133.7	163.6	174.6	154.1	142.3
- Other Prod.	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	21.5	25.5	18.4	17.6	18.9	16.5	19.3	17.2
Surface Coating Operations	4.3	11.2	5.5	20.1	28.2	39.1	27.7	57.2	61.5	170.5	117.1	136.7	159.0	167.0	276.4	199.9	271.6	286.4
Misc. Indust. Processes	0.0	0.7	1.4	2.3	4.7	10.8	16.6	22.1	35.7	57.9	95.5	123.0	143.8	336.6	257.6	229.1	307.0	287.5
- Carbon Black Mfg.	0.0	0.0	0.3	1.4	5.0	23.8	36.8	40.7	52.7	55.5	77.0	41.8	46.8	36.9	26.3	9.3	8.4	7.5
SOLID WASTE DISPOSAL (Total)	14.4	17.5	20.1	23.0	25.3	31.8	37.7	40.3	42.5	64.4	75.7	102.8	123.1	154.5	176.9	88.7	74.5	67.0
Incineration	9.2	10.8	11.9	12.9	13.5	16.0	18.0	18.4	18.6	27.1	30.6	34.6	41.6	50.5	49.4	41.4	37.0	33.4
Open Burning	5.1	6.7	8.2	10.1	11.9	15.8	19.7	21.8	24.0	37.2	45.1	68.2	81.6	104.0	127.5	47.3	37.6	33.6
MISCELLANEOUS OTHER SOURCES (Total). .	91.0	81.5	100.5	64.6	110.1	91.1	105.8	104.9	109.9	199.8	179.2	215.3	232.3	229.5	341.1	242.4	274.1	254.4
Wildfires	51.8	51.8	51.8	10.8	51.6	23.1	28.1	22.7	20.2	78.3	37.9	45.5	38.7	20.4	80.2	32.0	48.3	57.8
Prescribed Fires	11.1	11.1	11.1	11.2	11.1	11.2	11.3	11.2	13.9	13.9	18.1	16.2	18.0	15.6	13.5	13.6	12.6	13.0
Other Burning	19.0	6.7	23.0	24.8	26.3	28.8	31.3	32.2	33.2	32.6	32.3	31.0	28.9	21.7	17.5	6.2	5.3	4.8
Organic Solvent Evaporation	9.1	11.9	14.7	17.9	21.1	28.1	35.0	38.8	42.6	75.1	90.9	122.7	146.6	171.8	230.0	190.6	207.9	179.0
TOTAL (ALL SOURCE CATEGORIES)	554.7	552.8	563.7	554.9	680.4	825.6	922.9	961.7	1072.9	1341.2	1656.0	1773.4	2210.7	2581.4	2770.9	2251.5	2417.8	2278.9

ACTIVITY INDICATORS 1900-1980 FOR STATE OF CALIFORNIA

SOURCE CATEGORY	1900	1905	1910	1915	1920	1925	1930	1935	1940	1945	1950	1955	1960	1965	1970	1975	1980
BITUMINOUS COAL (1000 TONS)	517.6	678.3	805.4	934.0	827.4	702.4	608.4	430.3	387.8	424.4	1056.0	982.0	22.0	400.0	140.0	275.0	1398.0
ANTHRACITE COAL (1000 TONS)	0.3	0.4	0.5	0.5	0.5	0.4	-1.0	-1.0	-1.0	-1.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
RESIDUAL OIL (1000 BBL)	-3.0	-3.0	-3.0	-3.0	-3.0	14226.8	15616.6	18480.0	24118.0	68087.0	42780.0	49760.0	40162.0	33563.0	43074.0	93680.0	95781.0
DISTILLATE OIL (1000 BBL)	-3.0	-3.0	-3.0	-3.0	-3.0	1991.3	3103.9	4778.0	3338.0	7598.0	9384.0	12518.0	7431.0	6637.0	11113.0	14452.0	13425.0
NATURAL GAS (10E6 CU. FT.)	-4.0	-4.0	25432.7	21891.0	70839.4	197822.0	334789.0	218422.5	351950.0	537539.0	762246.0	833104.0	1302333.0	1773010.0	2126466.0	1832849.0	1807731.0
WOOD (1000 TONS)	8278.3	7864.4	7533.3	7202.1	6871.0	6539.9	6208.8	5960.4	5794.8	5380.9	4967.0	4893.0	4773.0	5629.0	6764.0	7400.0	9738.0
HIGHWAY VEHICLES																	
GASOLINE (1000 GAL)	-1.0	-1.0	-1.0	-1.0	-1.0	750171.0	1165842.0	1343579.0	1766144.0	1807578.0	3202276.0	3948200.0	5672885.0	7367881.0	-1.0	-1.0	-1.0
DIESEL (1000 GAL)	-1.0	-1.0	-1.0	-1.0	-1.0	-1.0	-1.0	-1.0	-1.0	-1.0	182196.0	163842.0	223104.0	358638.0	714756.0	750498.0	1137486.0
VMT (10E6 MILES)	-1.0	-1.0	-1.0	-1.0	-1.0	-1.0	-1.0	-1.0	-1.0	-1.0	-1.0	-1.0	-1.0	-1.0	116992.0	132600.0	155890.0
MISCELLANEOUS																	
RAILROADS-COAL (1000 TON	2463.8	3292.3	3767.4	3805.3	3955.0	3180.7	2650.3	2007.6	2106.0	2870.3	1564.0	508.0	107.0	53.0	24.0	0.0	0.0
RAILROADS-OIL (1000 BBL)	-1.0	-1.0	-1.0	-1.0	-1.0	21548.2	20259.8	16605.0	16462.0	30321.0	15644.0	11040.0	5960.0	8392.0	10111.0	6567.0	7288.0
COKE PL (1000 TONS COAL)	0.0	0.0	0.0	0.0	0.0	0.0	109.6	211.2	552.6	896.3	846.0	1357.0	1336.0	2080.0	2177.0	1861.0	1730.0
VES FUEL OIL (1000 BBL)	-1.0	-1.0	-1.0	-1.0	-1.0	27862.1	33077.9	26208.0	22781.0	28566.0	5239.5	6311.5	7334.3	5196.8	5983.6	5341.6	17149.3
CEMENT PL (1000 TONS)	8.0	230.0	-1.0	847.0	1334.0	2462.0	1103.0	1499.0	2673.0	2999.0	4940.0	6665.0	7500.0	8492.0	9414.0	7211.0	8849.0
POPULATION (1000's)	1485.0	1931.5	2378.0	2902.5	3427.0	4552.0	5677.0	6292.0	6907.0	8746.5	10586.0	13151.5	15717.0	17835.0	19953.0	21538.0	26365.0
FOREST FIRES (1000 ACRES	407.7	407.7	407.7	84.7	406.0	181.6	221.4	178.6	205.4	616.2	488.6	359.6	311.0	115.8	436.9	213.3	379.4
CRUDE OIL PROD. (1000 BB	4325.0	33428.0	73011.0	86592.0	103377.0	232492.0	227329.0	207832.0	223881.0	326482.0	327607.0	354812.0	305352.0	316428.0	372191.0	322199.0	356923.0
CRUDE OIL RUN (1000 BBL)	11715.4	24807.4	37959.7	51762.4	81562.4	140640.1	165368.5	177849.0	201023.0	313522.0	321330.0	338077.0	378396.0	413002.0	508529.0	587371.0	712002.0
OFF-HIGHWAY VEH. (1000 B	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	2287.0	3314.0	4235.0	7683.0	2818.0	3631.0	2702.0
LAND AREA (1000 SQ.MI.)	156.4																

NOTE:Negative number indicates missing datum;see footnote at end of table

COLORADO VOC EMISSIONS (1000 METRIC TONS)

SOURCE CATEGORY	1900	1905	1910	1915	1920	1925	1930	1935	1940	1945	1950	1955	1960	1965	1970	1975	1980	1985
TRANSPORTATION (Total)	3.6	5.7	7.3	10.1	17.7	27.9	38.5	36.4	48.0	45.9	80.9	96.2	128.6	137.0	147.2	120.4	118.8	103.2
Highway Vehicles	0.0	0.1	0.6	2.8	10.0	21.4	33.0	32.2	43.2	38.2	69.5	85.8	114.4	116.4	131.0	105.6	100.9	87.2
Aircraft	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.5	1.1	1.7	2.4	4.2	2.7	2.3	2.5	2.5
Railroads- Oil-fired	NA	NA	NA	NA	NA	0.3	0.3	0.2	0.6	1.6	1.5	2.3	2.5	2.6	1.8	2.5	5.2	3.8
- Coal-fired	3.6	5.6	6.7	7.2	7.7	6.2	5.2	3.9	4.0	5.6	3.0	1.0	0.2	0.2	0.1	0.0	0.0	0.0
Vessels- Oil-fired	NA	NA	NA	NA	NA	-0.0	-0.0	-0.0	-0.0	-0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
-Coal-fired	NA	NA	NA	NA	NA	NA	NA	NA	0.2	0.1	0.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Other Off-Highway Use	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	5.9	5.4	9.1	13.6	11.5	9.9	10.3	9.7
EXTERNAL FUEL COMBUSTION (Total) . . .	48.2	47.8	46.9	45.9	43.0	39.6	35.5	30.9	28.0	24.5	17.5	13.2	10.3	8.3	7.3	8.0	17.5	20.9
Anthracite Coal	0.0	0.0	0.0	0.0	0.0	0.0	-0.0	-0.0	-0.0	-0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Bituminous Coal	3.9	5.8	7.1	8.6	8.3	8.0	6.7	4.6	4.1	4.2	1.8	1.0	0.9	0.7	0.6	0.5	0.7	0.9
Residual Oil	NA	NA	NA	NA	NA	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Distillate Oil	NA	NA	NA	NA	NA	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.1	0.0	0.0
Natural Gas	NA	NA	-0.0	-0.0	0.0	0.0	0.1	0.2	0.2	0.4	0.6	1.2	1.2	1.3	1.2	1.3	0.9	0.8
Wood	43.8	41.5	39.2	36.9	34.3	31.4	28.5	25.9	23.3	19.5	14.8	10.7	8.0	6.3	5.4	5.9	15.7	19.0
Coke and Other Fuels	0.6	0.5	0.5	0.4	0.4	0.3	0.2	0.2	0.3	0.3	0.2	0.1	0.1	0.0	0.1	0.1	0.1	0.1
INDUSTRIAL PROCESSES (Total)	2.0	6.3	2.6	3.7	6.6	11.2	15.2	15.6	21.1	25.9	46.8	53.3	63.8	84.1	92.4	97.2	117.3	114.4
Petroleum Refinery Process Operations	0.0	0.1	0.1	0.1	0.2	0.4	0.4	0.4	1.1	1.2	1.7	2.4	2.9	2.7	2.7	3.2	3.3	2.6
Manufacture of Petrochemicals	0.0	0.0	0.0	0.0	0.1	0.1	0.1	0.1	0.1	0.4	0.6	1.2	1.9	3.3	6.0	8.0	10.4	10.6
Petrol. Production- Crude Oil	0.0	0.0	0.0	0.0	0.0	0.1	0.1	0.1	0.1	0.3	1.5	3.3	2.9	2.1	1.6	2.4	1.9	1.9
- Nat.Gas Liquids	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.1	0.5	1.8	1.6	1.3	1.1	1.9	1.7	1.7
Petrol. Marketing - Gasoline	0.0	0.0	0.1	0.4	1.4	2.9	4.3	4.0	5.1	4.7	8.5	8.4	13.3	14.6	18.5	21.9	22.2	20.5
- Other Prod.	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	1.2	2.4	2.5	1.8	2.0	2.2	2.4	2.1
Surface Coating Operations	2.0	5.9	1.8	2.0	2.2	2.3	2.4	2.5	2.6	5.0	12.2	14.0	17.2	16.8	29.1	29.0	36.6	38.6
Misc. Indust. Processes	0.0	0.2	0.5	0.7	1.3	2.3	3.0	3.8	5.8	8.1	12.0	14.4	16.0	37.4	28.5	27.5	37.6	35.2
- Carbon Black Mfg.	0.0	0.0	0.1	0.4	1.4	3.1	4.9	4.7	6.3	6.0	8.7	5.4	5.4	4.0	3.0	1.2	1.2	1.1
SOLID WASTE DISPOSAL (Total)	5.2	6.1	6.8	6.9	7.0	6.9	6.9	6.9	6.9	9.0	9.5	12.0	13.7	17.2	19.6	10.7	9.1	8.2
Incineration	3.3	3.7	4.0	3.9	3.7	3.5	3.3	3.2	3.0	3.8	3.8	4.0	4.6	5.6	5.5	5.0	4.5	4.1
Open Burning	1.9	2.3	2.8	3.0	3.3	3.4	3.6	3.7	3.9	5.2	5.6	8.0	9.1	11.5	14.1	5.7	4.6	4.1
MISCELLANEOUS OTHER SOURCES (Total). .	23.6	18.6	27.9	29.8	30.8	32.9	34.9	35.6	38.4	43.6	47.3	46.6	49.4	44.1	47.8	38.0	41.7	39.0
Wildfires	0.3	0.3	0.3	0.6	0.0	0.2	0.1	0.0	0.1	2.1	2.3	0.8	1.8	0.2	1.8	2.0	4.3	5.2
Prescribed Fires	7.4	7.4	7.4	7.4	7.4	7.5	7.5	7.5	9.2	9.3	12.0	10.8	12.0	10.4	9.0	9.0	8.4	8.7
Other Burning	12.7	6.8	15.3	16.5	17.6	19.1	20.8	21.4	22.1	21.7	21.6	20.6	19.2	14.4	11.6	4.1	3.5	3.2
Organic Solvent Evaporation	3.3	4.1	4.9	5.4	5.8	6.1	6.4	6.7	6.9	10.5	11.4	14.4	16.4	19.1	25.4	22.9	25.5	21.9
TOTAL (ALL SOURCE CATEGORIES)	82.7	84.4	91.4	95.3	104.9	118.4	130.9	125.3	142.4	148.9	202.0	221.3	265.8	290.7	314.2	274.2	304.4	285.6

ACTIVITY INDICATORS 1900-1980 FOR STATE OF COLORADO

SOURCE CATEGORY	1900	1905	1910	1915	1920	1925	1930	1935	1940	1945	1950	1955	1960	1965	1970	1975	1980
BITUMINOUS COAL (1000 TONS)	2517.9	3482.7	4353.2	5327.1	5305.0	5259.9	4612.3	3379.5	3412.9	3930.3	1728.0	1515.0	2038.0	2953.0	4112.0	7134.0	12534.0
ANTHRACITE COAL (1000 TONS)	0.4	0.5	0.6	0.6	0.6	0.5	-1.0	-1.0	-1.0	-1.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
RESIDUAL OIL (1000 BBL)	-3.0	-3.0	-3.0	-3.0	-3.0	213.0	201.4	202.0	306.0	583.0	726.0	846.0	1614.0	1262.0	1320.0	3308.0	1760.0
DISTILLATE OIL (1000 BBL)	-3.0	-3.0	-3.0	-3.0	-3.0	44.0	55.0	75.0	215.0	355.0	553.0	1059.0	1579.0	1757.0	2080.0	3532.0	1943.0
NATURAL GAS (10E6 CU. FT.)	-4.0	-4.0	-4.0	-4.0	9.0	574.5	16642.0	13473.2	22111.0	40252.0	108646.0	178568.0	206958.0	236049.0	282328.0	307772.0	256363.0
WOOD (1000 TONS)	836.7	794.8	761.4	727.9	694.4	661.0	627.5	602.4	585.7	543.8	502.0	427.0	377.0	382.0	486.0	526.0	985.0
HIGHWAY VEHICLES																	
GASOLINE (1000 GAL)	-1.0	-1.0	-1.0	-1.0	-1.0	97754.0	154355.0	155125.0	210964.0	195800.0	363203.0	507498.0	648759.0	806979.0	-1.0	-1.0	-1.0
DIESEL (1000 GAL)	-1.0	-1.0	-1.0	-1.0	-1.0	-1.0	-1.0	-1.0	-1.0	-1.0	10206.0	15288.0	29946.0	35910.0	76188.0	100464.0	141036.0
VMT (10E6 MILES)	-1.0	-1.0	-1.0	-1.0	-1.0	-1.0	-1.0	-1.0	-1.0	-1.0	-1.0	-1.0	-1.0	-1.0	13198.0	16597.0	22411.0
MISCELLANEOUS																	
RAILROADS-COAL (1000 TON	874.6	1224.1	1475.6	1583.3	1690.5	1359.9	1133.1	858.6	900.6	1226.7	669.0	217.0	46.0	22.0	10.0	0.0	0.0
RAILROADS-OIL (1000 BBL)	-1.0	-1.0	-1.0	-1.0	-1.0	196.0	184.2	151.0	353.0	1027.0	860.0	1428.0	1475.0	1541.0	1033.0	1487.0	3055.0
COKE PL (1000 TONS COAL)	950.7	1133.8	1444.8	1391.7	1501.7	1203.7	1100.8	760.3	1165.4	1296.7	1182.0	1185.0	888.0	1093.0	1024.0	1085.0	888.0
VES FUEL OIL (1000 BBL)	-1.0	-1.0	-1.0	-1.0	-1.0	-1.0	-1.0	-1.0	-1.0	-1.0	0.0	0.3	0.0	0.5	0.0	0.0	0.0
CEMENT PL (1000 TONS)	7.0	148.0	-1.0	-1.0	-1.0	-1.0	-1.0	-1.0	-1.0	-1.0	455.0	621.0	797.0	791.0	952.0	1207.0	1290.0
POPULATION (1000's)	540.0	669.5	799.0	869.5	940.0	988.0	1036.0	1079.5	1123.0	1224.0	1325.0	1539.5	1754.0	1980.5	2207.0	2586.0	3231.0
FOREST FIRES (1000 ACRES	2.0	2.0	2.0	4.6	0.2	1.3	0.8	0.3	1.4	16.4	29.4	6.3	14.5	1.3	9.6	13.3	34.0
CRUDE OIL PROD. (1000 BB	317.0	376.0	240.0	208.0	111.0	1226.0	1656.0	1560.0	1626.0	5036.0	23303.0	52653.0	47469.0	33511.0	24723.0	38089.0	29802.0
CRUDE OIL RUN (1000 BBL)	75.0	158.9	243.1	331.5	522.4	900.7	1059.1	1139.0	3120.0	4320.0	6489.0	9755.0	12160.0	12775.0	15175.0	16453.0	17072.0
OFF-HIGHWAY VEH. (1000 B	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	202.0	250.0	678.0	1273.0	1055.0	949.0	962.0
LAND AREA (1000 SQ.MI.)	103.8																

NOTE:Negative number indicates missing datum;see footnote at end of table

CONNECTICUT VOC EMISSIONS (1000 METRIC TONS)

SOURCE CATEGORY	1900	1905	1910	1915	1920	1925	1930	1935	1940	1945	1950	1955	1960	1965	1970	1975	1980	1985
TRANSPORTATION (Total)	3.1	4.7	6.2	9.4	18.7	32.2	52.7	59.4	79.1	60.2	98.4	116.4	140.7	151.9	172.7	127.7	94.6	82.5
Highway Vehicles	0.1	0.1	0.7	3.6	12.5	26.8	48.0	55.7	74.9	52.9	91.2	109.7	134.9	142.9	163.2	116.1	87.4	75.5
Aircraft	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.7	1.6	2.4	3.5	5.9	3.7	2.7	2.4	2.5
Railroads- Oil-fired	NA	NA	NA	NA	NA	0.2	0.2	0.1	0.2	0.6	1.3	1.8	1.2	0.8	0.8	0.6	0.2	0.1
- Coal-fired	3.0	4.6	5.5	5.8	6.3	5.2	4.5	3.5	3.8	5.8	2.5	0.5	0.0	0.0	0.0	0.0	0.0	0.0
Vessels- Oil-fired	NA	NA	NA	NA	NA	0.0	0.0	0.0	0.1	0.0	0.0	0.1	0.1	0.2	0.0	1.9	0.1	0.1
-Coal-fired	NA	NA	NA	NA	NA	NA	NA	NA	0.1	0.1	0.1	0.1	0.0	0.1	0.0	0.0	0.0	0.0
Other Off-Highway Use	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	1.7	1.8	1.0	2.0	4.8	6.4	4.5	4.3
EXTERNAL FUEL COMBUSTION (Total) . . .	79.2	77.8	75.0	72.0	67.7	61.3	54.5	48.3	43.8	38.2	28.6	22.9	18.3	14.8	11.4	12.1	25.3	30.3
Anthracite Coal	4.2	5.5	5.8	6.0	6.0	4.4	3.0	2.2	1.9	2.2	1.9	0.9	0.3	0.1	0.0	0.0	0.0	0.0
Bituminous Coal	2.1	3.2	3.9	4.6	4.7	4.7	3.9	2.8	2.9	3.2	1.7	1.9	1.5	1.1	0.3	0.0	0.0	0.0
Residual Oil	NA	NA	NA	NA	NA	0.0	0.0	0.0	0.0	0.0	0.2	0.1	0.2	0.2	0.4	0.4	0.4	0.2
Distillate Oil	NA	NA	NA	NA	NA	0.0	0.0	0.1	0.1	0.1	0.2	0.2	0.3	0.3	0.3	0.4	0.3	0.2
Natural Gas	NA	NA	-0.0	-0.0	-0.0	-0.0	-0.0	-0.0	-0.0	-0.0	0.0	0.1	0.2	0.2	0.3	0.3	0.3	0.2
Wood	72.8	69.0	65.3	61.4	57.0	52.2	47.4	43.1	38.7	32.5	24.7	19.8	15.8	12.9	10.1	11.1	24.4	29.7
Coke and Other Fuels	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.1	0.1	0.1	0.1	0.0	0.0	0.0	0.0	0.0	0.0
INDUSTRIAL PROCESSES (Total)	2.2	2.8	3.5	4.9	8.7	14.7	21.8	24.9	32.8	35.4	51.3	51.8	62.3	102.1	101.7	91.7	93.8	88.8
Petroleum Refinery Process Operations	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	8.0	7.2	8.5	8.9	6.9
Manufacture of Petrochemicals	0.0	0.0	0.0	0.1	0.1	0.1	0.2	0.2	0.2	0.5	0.9	1.8	2.8	4.6	8.2	9.5	10.2	10.4
Petrol. Production- Crude Oil	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
- Nat.Gas Liquids	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Petrol. Marketing - Gasoline	0.0	0.0	0.1	0.5	1.7	3.7	6.2	6.9	8.9	6.6	11.4	11.1	16.2	18.1	23.0	24.0	19.2	17.7
- Other Prod.	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	1.0	1.3	3.1	2.7	2.5	2.1	2.0	1.8
Surface Coating Operations	2.1	2.3	2.6	2.9	3.2	3.5	3.7	3.8	4.0	7.7	8.3	9.4	10.5	11.2	17.9	13.6	15.5	16.4
Misc. Indust. Processes	0.0	0.4	0.6	1.0	1.9	3.5	4.7	5.8	8.8	12.3	18.1	21.2	23.2	52.5	39.1	32.8	37.0	34.6
- Carbon Black Mfg.	0.0	0.0	0.1	0.5	1.8	3.9	7.1	8.1	10.9	8.3	11.7	7.0	6.5	5.0	3.7	1.3	1.1	0.9
SOLID WASTE DISPOSAL (Total)	8.8	9.2	9.4	9.9	10.2	10.4	10.7	10.6	10.5	13.7	14.4	17.8	19.9	24.1	26.9	12.7	9.0	8.1
Incineration	5.6	5.6	5.6	5.5	5.4	5.3	5.1	4.9	4.6	5.8	5.8	6.0	6.7	7.9	7.5	5.9	4.5	4.0
Open Burning	3.1	3.5	3.9	4.3	4.8	5.2	5.6	5.8	5.9	7.9	8.5	11.8	13.2	16.2	19.4	6.8	4.5	4.0
MISCELLANEOUS OTHER SOURCES (Total). .	9.8	10.5	11.2	11.3	11.1	13.1	18.3	12.5	12.5	17.8	19.0	22.9	25.3	28.4	36.2	28.3	25.8	22.4
Wildfires	3.3	3.3	3.3	2.5	1.4	2.6	7.1	0.9	0.5	0.4	0.2	0.3	0.2	0.4	0.2	0.4	0.2	0.3
Prescribed Fires	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.4	0.4	0.4	0.6	0.5	0.6	0.5	0.4	0.4	0.4	0.4
Other Burning	0.6	0.7	0.7	0.8	0.8	0.9	1.0	1.0	1.0	1.0	1.0	1.0	0.9	0.7	0.5	0.2	0.2	0.2
Organic Solvent Evaporation	5.6	6.2	6.9	7.7	8.5	9.2	9.9	10.2	10.5	16.0	17.2	21.2	23.7	26.8	34.9	27.3	25.0	21.5
TOTAL (ALL SOURCE CATEGORIES)	103.1	104.9	105.3	107.5	116.4	131.7	157.9	155.6	178.7	165.3	211.7	231.8	266.5	321.3	348.9	272.6	248.5	232.0

ACTIVITY INDICATORS 1900-1980 FOR STATE OF CONNECTICUT

SOURCE CATEGORY	1900	1905	1910	1915	1920	1925	1930	1935	1940	1945	1950	1955	1960	1965	1970	1975	1980
BITUMINOUS COAL (1000 TONS)	1405.6	1929.4	2378.3	2841.8	2957.5	3098.9	2708.4	2064.8	2398.8	2972.3	1581.0	2720.0	3225.0	4475.0	1832.0	24.0	16.0
ANTHRACITE COAL (1000 TONS)	1284.2	1739.6	1876.3	1967.0	1984.4	1481.9	515.7	389.7	648.4	695.3	794.0	330.0	114.0	48.0	13.0	7.0	15.0
RESIDUAL OIL (1000 BBL)	-3.0	-3.0	-3.0	-3.0	-3.0	2811.9	2501.9	2382.0	3335.0	3374.0	11576.0	8584.0	14250.0	16298.0	35909.0	31347.0	28161.0
DISTILLATE OIL (1000 BBL)	-3.0	-3.0	-3.0	-3.0	-3.0	1540.7	2217.5	3277.0	4245.0	4578.0	6297.0	6013.0	28713.0	21155.0	22037.0	19280.0	19283.0
NATURAL GAS (10E6 CU. FT.)	-4.0	-4.0	-2.0	-2.0	-1.0	-1.0	-1.0	-1.0	-1.0	-1.0	0.0	15039.0	29590.0	41939.0	60574.0	64011.0	72583.0
WOOD (1000 TONS)	1391.7	1322.1	1266.4	1210.8	1155.1	1099.4	1043.8	1002.0	974.2	904.6	835.0	786.0	747.0	787.0	921.0	994.0	1535.0
HIGHWAY VEHICLES																	
GASOLINE (1000 GAL)	-1.0	-1.0	-1.0	-1.0	-1.0	122369.0	224270.0	268019.0	365429.0	271362.0	487547.0	665370.0	789875.0	999523.0	-1.0	-1.0	-1.0
DIESEL (1000 GAL)	-1.0	-1.0	-1.0	-1.0	-1.0	-1.0	-1.0	-1.0	-1.0	-1.0	2394.0	2940.0	10164.0	35490.0	75306.0	78246.0	102732.0
VMT (10E6 MILES)	-1.0	-1.0	-1.0	-1.0	-1.0	-1.0	-1.0	-1.0	-1.0	-1.0	-1.0	-1.0	-1.0	-1.0	16446.0	18234.0	19409.0
MISCELLANEOUS																	
RAILROADS-COAL (1000 TON	731.5	1011.2	1203.5	1273.6	1376.4	1140.8	981.3	767.6	859.2	1278.0	551.0	112.0	13.0	0.0	0.0	0.0	0.0
RAILROADS-OIL (1000 BBL)	-1.0	-1.0	-1.0	-1.0	-1.0	127.2	119.6	98.0	115.0	407.0	785.0	1122.0	691.0	480.0	495.0	336.0	93.0
COKE PL (1000 TONS COAL)	77.4	91.2	114.5	188.9	156.4	190.7	226.2	184.4	330.4	425.3	407.0	439.0	366.0	154.0	0.0	0.0	0.0
VES FUEL OIL (1000 BBL)	-1.0	-1.0	-1.0	-1.0	-1.0	33.0	39.1	31.0	163.0	64.0	7.3	23.6	24.0	23.6	36.3	145.5	20.3
CEMENT PL (1000 TONS)	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
POPULATION (1000's)	908.0	1011.5	1115.0	1248.0	1381.0	1494.0	1607.0	1658.0	1709.0	1858.0	2007.0	2271.0	2535.0	2783.5	3032.0	3083.0	3174.0
FOREST FIRES (1000 ACRES	25.9	25.9	25.9	20.0	11.3	20.7	55.9	7.3	4.2	3.1	2.0	2.2	1.3	2.2	1.3	2.7	1.8
CRUDE OIL PROD. (1000 BB	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
CRUDE OIL RUN (1000 BBL)	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	37293.0	40095.0	43763.0	45193.0
OFF-HIGHWAY VEH. (1000 B	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	60.0	84.0	73.0	188.0	440.0	617.0	422.0
LAND AREA (1000 SQ.MI.)	4.9																

NOTE:Negative number indicates missing datum;see footnote at end of table

DELAWARE VOC EMISSIONS (1000 METRIC TONS)

SOURCE CATEGORY	1900	1905	1910	1915	1920	1925	1930	1935	1940	1945	1950	1955	1960	1965	1970	1975	1980	1985
TRANSPORTATION (Total)	0.0	0.0	0.1	0.5	1.8	3.9	7.3	9.2	12.3	9.6	18.6	23.5	31.6	34.1	32.3	27.5	22.8	20.0
Highway Vehicles	0.0	0.0	0.1	0.5	1.8	3.8	7.3	9.2	12.2	9.5	17.2	21.9	29.3	30.9	29.4	23.1	19.1	16.5
Aircraft	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.1	0.3	0.4	0.6	1.1	0.7	0.5	0.5	0.5
Railroads- Oil-fired	NA	NA	NA	NA	NA	0.0	0.0	0.0	0.0	0.0	0.1	0.1	0.1	0.1	0.1	0.1	0.8	0.6
- Coal-fired	-0.0	-0.0	-0.0	-0.0	-0.0	-0.0	-0.0	-0.0	-0.0	-0.0	0.5	0.1	0.0	0.0	0.0	0.0	0.0	0.0
Vessels- Oil-fired	NA	NA	NA	NA	NA	0.0	0.0	0.0	0.0	0.0	0.2	0.1	1.3	1.3	0.1	2.9	0.7	0.8
-Coal-fired	NA	NA	NA	NA	NA	NA	NA	NA	-0.0	-0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Other Off-Highway Use	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	0.4	0.9	0.2	0.8	2.0	0.9	1.8	1.7
EXTERNAL FUEL COMBUSTION (Total) . . .	26.7	25.5	24.1	22.8	21.2	19.3	18.0	16.2	14.6	12.7	10.1	8.4	7.4	6.1	5.0	5.5	8.9	10.7
Anthracite Coal	0.4	0.6	0.6	0.6	0.6	0.5	0.9	0.7	0.6	1.0	0.6	0.4	0.3	0.1	0.0	0.0	0.0	0.0
Bituminous Coal	-0.0	-0.0	-0.0	-0.0	-0.0	-0.0	-0.0	-0.0	-0.0	-0.0	0.3	0.5	0.8	0.5	0.2	0.1	0.1	0.1
Residual Oil	NA	NA	NA	NA	NA	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.1	0.1	0.1	0.1	0.2	0.1
Distillate Oil	NA	NA	NA	NA	NA	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.1	0.1	0.0	0.0
Natural Gas	NA	NA	-0.0	-0.0	-0.0	-0.0	-0.0	-0.0	-0.0	-0.0	0.2	0.0	0.1	0.1	0.1	0.1	0.1	0.1
Wood	26.3	24.9	23.5	22.1	20.6	18.8	17.1	15.5	14.0	11.7	8.9	7.5	6.1	5.3	4.5	5.1	8.6	10.4
Coke and Other Fuels	-0.0	-0.0	-0.0	-0.0	-0.0	-0.0	-0.0	-0.0	-0.0	-0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
INDUSTRIAL PROCESSES (Total)	0.4	0.5	0.6	0.8	1.3	2.2	3.3	4.0	5.3	5.9	8.8	9.4	11.8	17.7	17.1	16.0	17.3	16.7
Petroleum Refinery Process Operations	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Manufacture of Petrochemicals	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.1	0.1	0.3	0.5	0.8	1.5	1.8	2.0	2.0
Petrol. Production- Crude Oil	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
- Nat.Gas Liquids	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Petrol. Marketing - Gasoline	0.0	0.0	0.0	0.1	0.2	0.5	0.9	1.1	1.5	1.2	2.1	2.2	3.5	3.9	4.1	4.8	4.2	3.9
- Other Prod.	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	0.2	0.4	0.5	0.6	0.5	0.4	0.6	0.6
Surface Coating Operations	0.4	0.4	0.5	0.5	0.5	0.5	0.6	0.6	0.6	1.2	1.3	1.6	1.8	2.0	3.2	2.6	3.0	3.2
Misc. Indust. Processes	0.0	0.1	0.1	0.2	0.3	0.5	0.7	0.9	1.4	1.9	2.9	3.6	4.1	9.4	7.1	6.2	7.2	6.8
- Carbon Black Mfg.	0.0	0.0	0.0	0.1	0.3	0.6	1.1	1.3	1.8	1.5	2.2	1.4	1.4	1.1	0.7	0.3	0.2	0.2
SOLID WASTE DISPOSAL (Total)	1.8	1.8	1.7	1.7	1.6	1.6	1.6	1.6	1.6	2.2	2.3	3.0	3.5	4.3	4.9	2.4	1.8	1.8
Incineration	1.1	1.1	1.0	0.9	0.9	0.8	0.8	0.7	0.7	0.9	0.9	1.0	1.2	1.4	1.4	1.1	0.9	0.8
Open Burning	0.6	0.7	0.7	0.7	0.8	0.8	0.8	0.9	0.9	1.2	1.4	2.0	2.3	2.9	3.5	1.3	0.9	0.8
MISCELLANEOUS OTHER SOURCES (Total). .	1.6	2.0	1.7	1.9	1.9	2.6	5.7	2.2	2.4	3.2	3.4	4.2	4.8	5.3	6.7	5.5	5.2	4.5
Wildfires	0.1	0.1	0.1	0.1	0.0	0.7	3.7	0.1	0.2	0.1	0.0	0.1	0.0	0.0	0.0	0.0	0.0	0.0
Prescribed Fires	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2
Other Burning	0.2	0.7	0.3	0.3	0.3	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.3	0.2	0.1	0.1	0.1
Organic Solvent Evaporation	1.1	1.2	1.2	1.3	1.4	1.4	1.5	1.6	1.6	2.5	2.7	3.6	4.2	4.8	6.3	5.2	4.9	4.2
TOTAL (ALL SOURCE CATEGORIES)	30.5	29.8	28.3	27.6	27.8	29.6	35.9	33.2	36.2	33.5	43.2	48.6	59.1	67.6	66.0	56.9	56.0	53.4

ACTIVITY INDICATORS 1900-1980 FOR STATE OF DELAWARE

SOURCE CATEGORY	1900	1905	1910	1915	1920	1925	1930	1935	1940	1945	1950	1955	1960	1965	1970	1975	1980
BITUMINOUS COAL (1000 TONS)	-3.0	-3.0	-3.0	-3.0	-3.0	-3.0	-3.0	-3.0	-3.0	-3.0	269.0	675.0	1754.0	2174.0	1726.0	992.0	1335.0
ANTHRACITE COAL (1000 TONS)	137.1	185.7	200.3	210.0	211.9	158.2	157.1	118.7	197.5	297.1	264.0	149.0	97.0	36.0	20.0	11.0	4.0
RESIDUAL OIL (1000 BBL)	-3.0	-3.0	-3.0	-3.0	-3.0	1335.0	1278.4	1270.0	1210.0	1089.0	1732.0	2456.0	4137.0	4561.0	5597.0	8690.0	11974.0
DISTILLATE OIL (1000 BBL)	-3.0	-3.0	-3.0	-3.0	-3.0	41.0	59.0	87.0	220.0	225.0	786.0	927.0	3483.0	3614.0	4190.0	4451.0	2745.0
NATURAL GAS (10E6 CU. FT.)	-4.0	-4.0	-2.0	-2.0	-1.0	-1.0	-1.0	-1.0	-1.0	-1.0	39003.0	5472.0	9170.0	18400.0	26421.0	18603.0	29797.0
WOOD (1000 TONS)	501.7	476.6	456.5	436.4	416.4	396.3	376.3	361.2	351.2	326.1	301.0	297.0	290.0	324.0	408.0	459.0	539.0
HIGHWAY VEHICLES																	
GASOLINE (1000 GAL)	-1.0	-1.0	-1.0	-1.0	-1.0	17555.0	33917.0	44088.0	59647.0	48471.0	91123.0	131716.0	171110.0	215675.0	-1.0	-1.0	-1.0
DIESEL (1000 GAL)	-1.0	-1.0	-1.0	-1.0	-1.0	-1.0	-1.0	-1.0	-1.0	-1.0	1050.0	1638.0	2730.0	7896.0	13482.0	12684.0	34650.0
VMT (10E6 MILES)	-1.0	-1.0	-1.0	-1.0	-1.0	-1.0	-1.0	-1.0	-1.0	-1.0	-1.0	-1.0	-1.0	-1.0	2958.0	3625.0	4232.0
MISCELLANEOUS																	
RAILROADS-COAL (1000 TON	-1.0	-1.0	-1.0	-1.0	-1.0	-1.0	-1.0	-1.0	-1.0	-1.0	102.0	32.0	6.0	0.0	0.0	0.0	0.0
RAILROADS-OIL (1000 BBL)	-1.0	-1.0	-1.0	-1.0	-1.0	6.5	6.1	5.0	16.0	4.0	69.0	70.0	72.0	34.0	82.0	50.0	462.0
COKE PL (1000 TONS COAL)	-1.0	-1.0	-1.0	-1.0	-1.0	-1.0	-1.0	-1.0	-1.0	-1.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
VES FUEL OIL (1000 BBL)	-1.0	-1.0	-1.0	-1.0	-1.0	17.0	20.2	16.0	26.0	14.0	104.6	31.8	231.0	130.1	139.3	223.0	111.0
CEMENT PL (1000 TONS)	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
POPULATION (1000's)	185.0	193.5	202.0	212.5	223.0	230.5	238.0	252.5	267.0	292.5	318.0	382.0	446.0	497.0	548.0	587.0	622.0
FOREST FIRES (1000 ACRES	0.4	0.4	0.4	0.8	0.0	5.6	29.4	0.9	1.6	0.6	0.3	0.4	0.2	0.2	0.1	0.1	0.2
CRUDE OIL PROD. (1000 BB	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
CRUDE OIL RUN (1000 BBL)	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
OFF-HIGHWAY VEH. (1000 B	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	14.0	40.0	12.0	74.0	180.0	83.0	167.0
LAND AREA (1000 SQ.MI.)	2.0																

NOTE:Negative number indicates missing datum;see footnote at end of table

DISTRICT OF COLUMBIA VOC EMISSIONS (1000 METRIC TONS)

SOURCE CATEGORY	1900	1905	1910	1915	1920	1925	1930	1935	1940	1945	1950	1955	1960	1965	1970	1975	1980	1985
TRANSPORTATION (Total)	0.7	0.9	1.1	2.1	5.5	10.9	18.6	24.7	34.6	22.7	38.8	36.5	37.8	37.6	29.7	20.7	15.6	13.6
Highway Vehicles	0.0	0.0	0.3	1.4	4.8	10.3	18.0	24.2	33.8	21.3	37.3	34.4	36.1	35.3	28.0	19.6	14.8	12.8
Aircraft	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.3	0.6	0.8	1.0	1.6	0.9	0.6	0.5	0.5
Railroads- Oil-fired	NA	NA	NA	NA	NA	0.0	0.0	0.0	0.2	0.3	0.5	0.7	0.1	0.0	0.2	0.3	0.2	0.1
- Coal-fired	0.6	0.9	0.9	0.7	0.7	0.6	0.6	0.5	0.5	0.8	-0.0	-0.0	-0.0	-0.0	-0.0	0.0	0.0	0.0
Vessels- Oil-fired	NA	NA	NA	NA	NA	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.1	0.0	0.0	0.0	0.0	0.0
-Coal-fired	NA	NA	NA	NA	NA	NA	NA	NA	0.0	0.0	0.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Other Off-Highwry Use	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	0.3	0.5	0.4	0.6	0.5	0.2	0.1	0.1
EXTERNAL FUEL COMBUSTION (Total) . . .	2.0	2.3	2.4	2.3	2.2	2.1	2.7	2.1	2.0	2.0	2.2	1.3	0.9	0.5	0.6	0.4	0.4	0.4
Anthracite Coal	0.4	0.6	0.6	0.6	0.6	0.4	1.3	1.0	0.8	0.9	0.4	0.2	0.1	0.0	0.0	0.0	0.0	0.0
Bituminous Coal	0.7	0.9	0.9	0.9	0.9	0.9	0.8	0.6	0.6	0.7	1.4	0.8	0.5	0.1	0.2	0.0	0.0	0.0
Residual Oil	NA	NA	NA	NA	NA	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.1	0.1	0.1	0.0	0.0
Distillate Oil	NA	NA	NA	NA	NA	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.1	0.0	0.0	0.0
Natural Gas	NA	NA	-0.0	-0.0	-0.0	-0.0	-0.0	-0.0	-0.0	-0.0	0.0	0.1	0.1	0.1	0.2	0.2	0.1	0.1
Wood	1.0	0.9	0.9	0.8	0.8	0.7	0.6	0.6	0.5	0.4	0.3	0.2	0.1	0.1	0.1	0.1	0.2	0.3
Coke and Other Fuels	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.1	0.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
INDUSTRIAL PROCESSES (Total)	0.7	0.8	1.0	1.6	3.0	5.1	7.6	9.9	14.0	14.1	20.7	17.4	17.8	25.1	21.5	17.5	16.4	15.8
Petroleum Refinery Process Operations	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Manufacture of Petrochemicals	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.1	0.1	0.2	0.3	0.6	0.8	1.3	2.0	2.2	2.0	2.1
Petrol. Production- Crude Oil	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
- Nat.Gas Liquids	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Petrol. Marketing - Gasoline	0.0	0.0	0.0	0.2	0.7	1.4	2.3	3.0	4.0	2.6	4.6	3.4	4.2	4.4	3.9	4.1	3.3	3.0
- Other Prod.	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	0.5	0.6	0.8	0.9	0.6	0.4	0.3	0.3
Surface Coating Operations	0.6	0.7	0.8	0.9	1.0	1.1	1.1	1.3	1.5	3.0	3.3	3.2	3.2	3.1	4.5	3.1	3.1	3.3
Misc. Indust. Processes	0.0	0.1	0.2	0.3	0.6	1.1	1.4	2.0	3.4	4.8	7.2	7.3	7.0	14.4	9.8	7.5	7.4	7.0
- Carbon Black Mfg.	0.0	0.0	0.0	0.2	0.7	1.5	2.6	3.5	4.9	3.4	4.7	2.2	1.7	1.2	0.6	0.2	0.2	0.2
SOLID WASTE DISPOSAL (Total)	2.7	2.8	2.8	3.0	3.2	3.2	3.2	3.7	4.1	5.4	5.7	6.1	6.0	6.6	6.7	2.9	1.8	1.6
Incineration	1.7	1.7	1.7	1.7	1.7	1.6	1.5	1.7	1.8	2.3	2.3	2.1	2.0	2.2	1.9	1.4	0.9	0.8
Open Burning	1.0	1.1	1.1	1.3	1.5	1.6	1.7	2.0	2.3	3.1	3.4	4.1	4.0	4.4	4.8	1.6	0.9	0.8
MISCELLANEOUS OTHER SOURCES (Total). .	1.7	2.5	2.1	2.4	2.7	2.9	3.0	3.6	4.1	6.3	6.9	7.3	7.1	7.3	8.7	6.3	5.0	4.3
Wildfires	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Prescribed Fires	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Other Burning	0.0	0.7	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Organic Solvent Evaporation	1.7	1.9	2.0	2.4	2.7	2.9	3.0	3.5	4.1	6.3	6.9	7.3	7.1	7.3	8.7	6.3	5.0	4.3
TOTAL (ALL SOURCE CATEGORIES)	7.8	9.4	9.4	11.4	16.7	24.2	35.1	44.0	58.8	50.6	74.4	68.6	69.5	77.1	67.2	47.7	39.2	35.7

ACTIVITY INDICATORS 1900-1980 FOR DISTRICT OF COLUMBIA

SOURCE CATEGORY	1900	1905	1910	1915	1920	1925	1930	1935	1940	1945	1950	1955	1960	1965	1970	1975	1980
BITUMINOUS COAL (1000 TONS)	428.9	523.1	559.0	560.4	560.9	612.8	537.5	420.5	496.9	620.5	1346.0	1101.0	1002.0	541.0	1113.0	368.0	132.0
ANTHRACITE COAL (1000 TONS)	130.6	176.9	190.8	200.0	201.8	150.7	223.0	168.5	280.4	269.3	185.0	87.0	28.0	19.0	7.0	4.0	0.0
RESIDUAL OIL (1000 BBL)	-3.0	-3.0	-3.0	-3.0	-3.0	554.1	480.8	471.0	472.0	218.0	278.0	358.0	2351.0	6430.0	11140.0	4239.0	410.0
DISTILLATE OIL (1000 BBL)	-3.0	-3.0	-3.0	-3.0	-3.0	104.1	119.3	150.0	236.0	255.0	367.0	477.0	2641.0	2573.0	4236.0	2540.0	2807.0
NATURAL GAS (10E6 CU. FT.)	-4.0	-4.0	-2.0	-2.0	-1.0	-1.0	-1.0	-4.0	-4.0	-4.0	5015.0	12828.0	19370.0	21969.0	37362.0	36152.0	27482.0
WOOD (1000 TONS)	18.3	17.4	16.7	15.9	15.2	14.5	13.8	13.2	12.8	11.9	11.0	9.0	7.0	5.0	6.0	7.0	14.0
HIGHWAY VEHICLES																	
GASOLINE (1000 GAL)	-1.0	-1.0	-1.0	-1.0	-1.0	46809.0	83908.0	116415.0	165195.0	109324.0	196276.0	205942.0	206656.0	239806.0	-1.0	-1.0	-1.0
DIESEL (1000 GAL)	-1.0	-1.0	-1.0	-1.0	-1.0	-1.0	-1.0	-1.0	-1.0	-1.0	3990.0	3864.0	7686.0	16212.0	19908.0	15834.0	17052.0
VMT (10E6 MILES)	-1.0	-1.0	-1.0	-1.0	-1.0	-1.0	-1.0	-1.0	-1.0	-1.0	-1.0	-1.0	-1.0	-1.0	2821.0	3082.0	3293.0
MISCELLANEOUS																	
RAILROADS-COAL (1000 TON	153.9	187.2	190.2	162.6	162.8	142.2	129.4	106.1	122.5	186.1	-1.0	-1.0	-1.0	-1.0	-1.0	0.0	0.0
RAILROADS-OIL (1000 BBL)	-1.0	-1.0	-1.0	-1.0	-1.0	28.5	26.8	22.0	106.0	163.0	320.0	410.0	61.0	11.0	136.0	158.0	93.0
COKE PL (1000 TONS COAL)	0.0	0.0	0.0	0.0	0.0	0.0	43.3	83.3	218.9	354.7	0.0	0.0	0.0	0.0	0.0	0.0	0.0
VES FUEL OIL (1000 BBL)	-1.0	-1.0	-1.0	-1.0	-1.0	5.3	6.3	5.0	16.0	7.0	6.5	5.8	16.1	0.3	0.8	0.0	0.0
CEMENT PL (1000 TONS)	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
POPULATION (1000's)	279.0	305.0	331.0	384.5	438.0	462.5	487.0	575.0	663.0	732.5	802.0	783.0	764.0	760.5	757.0	707.0	638.0
FOREST FIRES (1000 ACRES	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
CRUDE OIL PROD. (1000 BB	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
CRUDE OIL RUN (1000 BBL)	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
OFF-HIGHWAY VEH. (1000 B	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	10.0	22.0	28.0	57.0	47.0	19.0	13.0
LAND AREA (1000 SQ.MI.)	0.1																

NOTE:Negative number indicates missing datum;see footnote at end of table

FLORIDA VOC EMISSIONS (1000 METRIC TONS)

SOURCE CATEGORY	1900	1905	1910	1915	1920	1925	1930	1935	1940	1945	1950	1955	1960	1965	1970	1975	1980	1985
TRANSPORTATION (Total)	1.5	3.2	5.9	12.4	28.6	53.6	55.6	59.5	85.7	81.2	167.6	232.7	335.3	359.5	446.2	430.3	402.2	353.4
Highway Vehicles	0.2	0.2	1.1	5.9	20.6	44.2	46.8	52.2	77.3	68.1	139.2	201.2	301.9	324.7	414.7	392.8	355.7	307.4
Aircraft	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.9	2.2	4.2	6.8	12.5	8.4	7.5	8.7	8.9
Railroads- Oil-fired	NA	NA	NA	NA	NA	1.6	1.5	1.2	1.7	2.4	2.9	4.1	3.6	4.2	5.0	2.6	3.3	2.4
- Coal-fired	1.3	3.0	4.8	6.5	8.0	7.0	6.4	5.3	6.0	9.2	4.9	1.5	0.2	0.0	0.0	0.0	0.0	0.0
Vessels- Oil-fired	NA	NA	NA	NA	NA	0.7	0.9	0.8	0.7	0.6	0.5	1.9	3.9	5.4	0.6	9.6	23.0	23.8
-Coal-fired	NA	NA	NA	NA	NA	NA	NA	NA	0.0	0.0	0.0	0.0	0.0	0.0	0.1	0.0	0.0	0.0
Other Off-Highway Use	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	17.9	19.8	18.9	12.7	17.4	17.7	11.5	10.9
EXTERNAL FUEL COMBUSTION (Total) . . .	167.0	158.4	149.9	141.2	131.2	120.2	109.3	99.4	89.8	76.1	57.2	49.5	42.2	37.3	33.6	33.6	64.6	77.3
Anthracite Coal	0.1	0.1	0.1	0.1	0.1	0.1	-0.0	-0.0	-0.0	-0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Bituminous Coal	0.1	0.2	0.3	0.4	0.5	0.5	0.6	0.6	0.9	1.3	0.3	0.4	0.7	0.6	0.8	0.4	0.4	0.5
Residual Oil	NA	NA	NA	NA	NA	0.1	0.1	0.1	0.1	0.2	0.2	0.4	0.3	0.5	0.6	0.9	1.1	0.5
Distillate Oil	NA	NA	NA	NA	NA	0.0	0.0	0.0	0.0	0.1	0.1	0.2	0.1	0.1	0.1	0.2	0.1	0.1
Natural Gas	NA	NA	-0.0	-0.0	0.0	0.0	0.0	0.0	0.0	0.1	0.1	0.2	0.8	1.0	1.4	1.2	1.1	1.0
Wood	166.9	158.1	149.5	140.7	130.6	119.5	108.6	98.7	88.8	74.5	56.5	48.3	40.3	35.1	30.7	30.8	61.8	75.2
Coke and Other Fuels	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
INDUSTRIAL PROCESSES (Total)	1.3	1.8	2.5	4.4	9.4	18.3	20.7	24.1	34.8	44.9	85.9	110.1	144.5	218.9	238.1	276.0	374.1	365.2
Petroleum Refinery Process Operations	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Manufacture of Petrochemicals	0.0	0.0	0.0	0.0	0.1	0.1	0.1	0.2	0.2	0.7	1.2	3.0	5.5	9.7	18.3	26.3	36.5	37.3
Petrol. Production- Crude Oil	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.1	0.2	2.6	2.7	2.8
- Nat.Gas Liquids	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.1	0.1	2.1	2.4	2.5
Petrol. Marketing - Gasoline	0.0	0.0	0.2	0.8	2.8	6.1	6.0	6.5	9.2	8.5	16.8	19.9	36.1	41.6	58.4	81.2	78.1	72.1
- Other Prod.	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	3.6	5.5	2.6	3.3	4.8	6.8	8.4	7.5
Surface Coating Operations	1.2	1.5	1.7	2.0	2.2	2.8	3.4	3.9	4.4	9.6	21.9	33.0	40.4	41.9	59.1	61.9	109.4	115.3
Misc. Indust. Processes	0.0	0.2	0.4	0.7	1.3	2.9	4.3	5.9	9.8	15.5	25.0	36.1	45.3	110.8	87.6	90.6	132.4	123.9
- Carbon Black Mfg.	0.0	0.0	0.2	0.9	3.0	6.4	6.9	7.6	11.3	10.7	17.3	12.6	14.6	11.5	9.4	4.3	4.3	3.8
SOLID WASTE DISPOSAL (Total)	5.1	5.8	6.4	6.8	7.2	8.5	9.7	10.8	11.7	17.2	19.8	30.2	38.8	50.9	60.2	35.1	32.1	28.9
Incineration	3.3	3.6	3.8	3.8	3.8	4.3	4.7	4.9	5.1	7.2	8.0	10.2	13.1	16.6	16.8	16.4	15.9	14.4
Open Burning	1.8	2.2	2.6	3.0	3.4	4.2	5.1	5.8	6.6	9.9	11.8	20.0	25.7	34.2	43.4	18.7	16.2	14.5
MISCELLANEOUS OTHER SOURCES (Total). .	212.1	206.8	214.8	85.6	138.0	323.8	2043.8	1943.7	688.7	909.9	412.3	521.5	219.0	127.5	104.4	126.7	116.4	107.8
Wildfires	198.8	198.8	198.8	68.0	119.4	303.4	2026.8	1924.9	663.4	876.9	373.4	470.9	157.1	58.2	15.4	44.5	20.6	24.5
Prescribed Fires	3.7	3.7	3.7	3.8	3.7	3.6	2.1	2.2	4.0	3.9	5.4	5.0	6.0	5.4	4.7	4.7	4.4	4.5
Other Burning	6.3	0.3	7.6	8.4	8.9	9.3	5.9	6.3	9.5	9.1	9.7	9.6	9.7	7.4	6.0	2.1	1.8	1.7
Organic Solvent Evaporation	3.3	3.9	4.6	5.3	6.0	7.5	9.1	10.4	11.7	20.0	23.8	36.0	46.2	56.5	78.3	75.4	89.6	77.2
TOTAL (ALL SOURCE CATEGORIES)	387.0	375.9	379.5	250.3	314.4	524.4	2239.2	2137.4	910.7	1129.2	742.7	944.0	779.7	794.1	882.5	901.7	989.4	932.6

ACTIVITY INDICATORS 1900-1980 FOR STATE OF FLORIDA

SOURCE CATEGORY	1900	1905	1910	1915	1920	1925	1930	1935	1940	1945	1950	1955	1960	1965	1970	1975	1980
BITUMINOUS COAL (1000 TONS)	59.9	113.2	182.1	274.7	307.7	330.8	420.9	477.6	719.4	1203.6	279.0	545.0	1448.0	2513.0	5276.0	5469.0	7778.0
ANTHRACITE COAL (1000 TONS)	16.3	22.1	23.8	25.0	25.2	18.8	-1.0	-1.0	-1.0	-1.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
RESIDUAL OIL (1000 BBL)	-3.0	-3.0	-3.0	-3.0	-3.0	5458.2	4681.8	4440.0	5930.0	12785.0	15020.0	29245.0	24378.0	36544.0	52089.0	75141.0	85278.0
DISTILLATE OIL (1000 BBL)	-3.0	-3.0	-3.0	-3.0	-3.0	369.8	433.5	559.0	998.0	1888.0	3697.0	6309.0	6947.0	9018.0	9049.0	12470.0	9000.0
NATURAL GAS (10E6 CU. FT.)	-4.0	-4.0	-2.0	-2.0	0.0	0.0	0.0	938.0	1481.0	9951.0	17603.0	34337.0	139554.0	190908.0	336816.0	281195.0	316588.0
WOOD (1000 TONS)	3188.3	3028.9	2901.4	2773.8	2646.3	2518.8	2391.3	2295.6	2231.8	2072.4	1913.0	1924.0	1901.0	2139.0	2789.0	2766.0	3892.0
HIGHWAY VEHICLES																	
GASOLINE (1000 GAL)	-1.0	-1.0	-1.0	-1.0	-1.0	202046.0	218691.0	251326.0	377489.0	349341.0	719683.0	1194380.0	1765819.0	2291031.0	-1.0	-1.0	0.0
DIESEL (1000 GAL)	-1.0	-1.0	-1.0	-1.0	-1.0	-1.0	-1.0	-1.0	-1.0	-1.0	28224.0	31626.0	25158.0	60480.0	175266.0	302442.0	491568.0
VMT (10E6 MILES)	-1.0	-1.0	-1.0	-1.0	-1.0	-1.0	-1.0	-1.0	-1.0	-1.0	-1.0	-1.0	-1.0	-1.0	41781.0	61715.0	79002.0
MISCELLANEOUS																	
RAILROADS-COAL (1000 TON	324.1	654.2	1052.5	1434.9	1763.3	1547.1	1404.1	1156.2	1333.2	2017.1	1108.0	345.0	70.0	0.0	0.0	0.0	0.0
RAILROADS-OIL (1000 BBL)	-1.0	-1.0	-1.0	-1.0	-1.0	1154.9	1085.9	890.0	1001.0	1537.0	1723.0	2506.0	2090.0	2459.0	2954.0	1543.0	1944.0
COKE PL (1000 TONS COAL)	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
VES FUEL OIL (1000 BBL)	-1.0	-1.0	-1.0	-1.0	-1.0	2302.7	2733.8	2166.0	1842.0	1162.0	279.8	536.5	667.1	543.8	608.6	724.6	3417.6
CEMENT PL (1000 TONS)	0.0	0.0	0.0	0.0	0.0	0.0	-1.0	-1.0	-1.0	-1.0	707.0	1376.0	1589.0	1630.0	1128.0	1676.0	3336.0
POPULATION (1000's)	529.0	641.0	753.0	860.5	968.0	1218.0	1468.0	1682.5	1897.0	2334.0	2771.0	3861.5	4952.0	5870.5	6789.0	8518.0	11366.0
FOREST FIRES (1000 ACRES	1565.5	1565.5	1565.5	535.4	940.0	2388.9	15957.2	15154.4	5938.6	6903.8	4818.4	3723.7	1261.3	329.8	84.0	296.3	161.4
CRUDE OIL PROD. (1000 BB	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
CRUDE OIL RUN (1000 BBL)	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
OFF-HIGHWAY VEH. (1000 B	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	613.0	917.0	1409.0	1196.0	1596.0	1705.0	1082.0
LAND AREA (1000 SQ.MI.)	54.1																

NOTE:Negative number indicates missing datum;see footnote at end of table

GEORGIA VOC EMISSIONS (1000 METRIC TONS)

SOURCE CATEGORY	1900	1905	1910	1915	1920	1925	1930	1935	1940	1945	1950	1955	1960	1965	1970	1975	1980	1985
TRANSPORTATION (Total)	4.3	6.7	9.0	13.0	23.9	38.5	54.0	59.9	84.7	85.5	156.0	193.6	247.6	277.9	317.5	267.3	213.7	186.0
Highway Vehicles	0.1	0.1	0.8	3.9	13.6	29.2	45.6	52.9	76.7	71.7	132.7	174.2	226.4	251.7	293.1	250.0	194.4	168.0
Aircraft	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.1	1.2	2.8	4.0	5.4	9.1	5.7	4.5	4.6	4.7
Railroads- Oil-fired	NA	NA	NA	NA	NA	0.1	0.1	0.1	0.1	0.3	2.1	3.2	3.0	3.0	3.8	3.8	4.9	3.5
- Coal-fired	4.2	6.6	8.2	9.1	10.3	9.1	8.2	6.8	7.7	11.8	6.4	2.0	0.3	0.0	0.0	0.0	0.0	0.0
Vessels- Oil-fired	NA	NA	NA	NA	NA	0.1	0.1	0.1	0.1	0.4	0.2	1.0	2.0	1.6	0.1	1.5	5.7	5.9
-Coal-fired	NA	NA	NA	NA	NA	NA	NA	NA	0.1	0.1	0.1	0.1	0.0	0.1	0.1	0.0	0.0	0.0
Other Off-Highway Use	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	11.8	9.2	10.4	12.4	14.8	7.5	4.1	3.9
EXTERNAL FUEL COMBUSTION (Total) . . .	430.5	409.0	387.5	365.6	340.1	312.0	283.2	256.4	230.6	194.3	147.4	115.3	90.5	73.5	48.6	53.5	97.4	117.9
Anthracite Coal	0.1	0.1	0.1	0.2	0.2	0.1	-0.0	-0.0	-0.0	-0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Bituminous Coal	1.7	2.6	3.2	4.0	4.3	4.7	4.1	2.7	2.4	2.4	1.6	1.7	1.5	1.4	1.1	1.1	1.2	1.4
Residual Oil	NA	NA	NA	NA	NA	0.0	0.0	0.0	0.0	0.0	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.0
Distillate Oil	NA	NA	NA	NA	NA	0.0	0.0	0.0	0.0	0.0	0.1	0.1	0.0	0.0	0.0	0.1	0.1	0.0
Natural Gas	NA	NA	-0.0	-0.0	-0.0	-0.0	0.0	0.2	0.2	0.5	0.5	1.1	1.1	1.2	1.4	1.4	1.3	1.2
Wood	428.8	406.3	384.1	361.4	335.6	307.1	279.1	253.5	228.1	191.3	145.1	112.4	87.8	70.8	46.0	50.8	94.8	115.3
Coke and Other Fuels	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
INDUSTRIAL PROCESSES (Total)	5.1	6.8	8.2	10.2	15.5	23.3	29.4	33.5	44.9	57.3	85.7	89.8	107.1	158.8	187.5	168.9	193.9	187.5
Petroleum Refinery Process Operations	0.0	0.2	0.4	0.5	0.8	1.2	1.3	1.4	0.9	0.9	1.0	1.2	3.8	3.3	3.0	3.5	3.6	2.8
Manufacture of Petrochemicals	0.0	0.1	0.1	0.1	0.2	0.3	0.3	0.3	0.3	1.0	1.5	2.9	4.4	7.0	12.4	15.6	19.2	19.6
Petrol. Production- Crude Oil	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
- Nat.Gas Liquids	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Petrol. Marketing - Gasoline	0.0	0.0	0.1	0.5	1.9	4.0	5.9	6.6	9.1	8.9	16.5	17.5	27.0	31.3	41.3	51.7	42.7	39.4
- Other Prod.	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	1.0	1.7	2.2	4.9	6.6	6.9	7.5	6.7
Surface Coating Operations	5.0	5.5	6.0	6.3	6.7	6.7	6.7	6.9	7.2	13.5	17.6	20.8	22.8	23.1	58.3	34.6	49.0	51.7
Misc. Indust. Processes	0.0	0.9	1.5	2.2	4.0	6.9	8.5	10.6	16.2	21.7	31.1	34.5	36.1	80.5	59.2	53.9	69.6	65.2
- Carbon Black Mfg.	0.0	0.0	0.1	0.6	2.0	4.2	6.7	7.7	11.2	11.3	17.0	11.2	10.9	8.6	6.6	2.8	2.3	2.1
SOLID WASTE DISPOSAL (Total)	21.4	21.8	22.1	21.8	21.4	20.3	19.3	19.3	19.2	24.2	24.6	28.9	30.9	37.0	40.7	20.9	16.9	15.2
Incineration	13.7	13.5	13.0	12.2	11.4	10.2	9.2	8.8	8.4	10.2	10.0	9.7	10.4	12.1	11.4	9.7	8.4	7.6
Open Burning	7.7	8.4	9.0	9.5	10.0	10.1	10.1	10.5	10.8	14.0	14.7	19.2	20.5	24.9	29.3	11.1	8.5	7.6
MISCELLANEOUS OTHER SOURCES (Total). .	152.9	147.7	156.8	192.2	67.6	317.7	616.8	377.6	395.6	123.1	275.1	152.6	74.5	61.7	75.5	56.1	60.0	54.6
Wildfires	128.3	128.3	128.3	162.3	35.9	285.8	584.9	344.0	360.3	77.8	228.2	101.0	20.3	6.8	11.0	3.9	6.2	7.4
Prescribed Fires	4.0	4.0	4.0	4.0	4.1	3.9	3.7	3.9	4.7	5.1	6.2	5.9	6.7	5.8	5.0	5.1	4.7	4.8
Other Burning	6.9	0.4	8.3	8.9	9.7	10.1	10.2	11.1	11.3	12.0	11.1	11.3	10.7	8.1	6.5	2.3	2.0	1.8
Organic Solvent Evaporation	13.7	14.9	16.1	17.0	17.8	17.9	17.9	18.6	19.3	28.2	29.6	34.5	36.8	41.1	52.9	44.8	47.1	40.6
TOTAL (ALL SOURCE CATEGORIES)	614.3	592.0	583.5	602.8	468.4	711.7	1002.7	746.8	775.1	484.4	688.8	580.2	550.5	608.8	669.9	566.7	582.0	561.2

ACTIVITY INDICATORS 1900-1980 FOR STATE OF GEORGIA

SOURCE CATEGORY	1900	1905	1910	1915	1920	1925	1930	1935	1940	1945	1950	1955	1960	1965	1970	1975	1980
BITUMINOUS COAL (1000 TONS)	1083.5	1540.0	1982.4	2508.0	2733.7	3103.8	2802.9	2006.3	1942.0	2188.3	1505.0	2424.0	3377.0	5863.0	7938.0	15018.0	20313.0
ANTHRACITE COAL (1000 TONS)	32.6	44.2	47.7	50.0	50.4	37.7	-1.0	-1.0	-1.0	-1.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
RESIDUAL OIL (1000 BBL)	-3.0	-3.0	-3.0	-3.0	-3.0	1248.6	1158.2	1170.0	1401.0	2160.0	3777.0	4469.0	4714.0	6328.0	10058.0	8674.0	5496.0
DISTILLATE OIL (1000 BBL)	-3.0	-3.0	-3.0	-3.0	-3.0	134.1	192.4	283.0	499.0	965.0	2834.0	3241.0	2674.0	3452.0	3563.0	5808.0	3700.0
NATURAL GAS (10E6 CU. FT.)	-4.0	-4.0	-2.0	-2.0	-2.0	-2.0	1497.0	12538.6	20551.0	49622.0	92193.0	167924.0	185961.0	217122.0	332526.0	326559.0	371177.0
WOOD (1000 TONS)	8191.7	7782.1	7454.4	7126.8	6799.1	6471.4	6143.8	5898.0	5734.2	5324.6	4915.0	4472.0	4140.0	4315.0	4174.0	4554.0	5968.0
HIGHWAY VEHICLES																	
GASOLINE (1000 GAL)	-1.0	-1.0	-1.0	-1.0	-1.0	133548.0	213089.0	254609.0	374300.0	367726.0	706796.0	1053372.0	1317842.0	1724043.0	-1.0	-1.0	-1.0
DIESEL (1000 GAL)	-1.0	-1.0	-1.0	-1.0	-1.0	-1.0	-1.0	-1.0	-1.0	-1.0	6384.0	8484.0	25116.0	98868.0	250950.0	313698.0	443268.0
VMT (10E6 MILES)	-1.0	-1.0	-1.0	-1.0	-1.0	-1.0	-1.0	-1.0	-1.0	-1.0	-1.0	-1.0	-1.0	-1.0	29530.0	39272.0	43188.0
MISCELLANEOUS																	
RAILROADS-COAL (1000 TON	1012.7	1454.4	1803.0	1991.0	2270.2	1992.5	1807.7	1488.9	1716.6	2597.0	1427.0	443.0	90.0	0.0	0.0	0.0	0.0
RAILROADS-OIL (1000 BBL)	-1.0	-1.0	-1.0	-1.0	-1.0	54.5	51.2	42.0	59.0	188.0	1221.0	1934.0	1772.0	1751.0	2218.0	2252.0	2870.0
COKE PL (1000 TONS COAL)	34.9	42.7	56.1	56.0	46.3	11.9	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
VES FUEL OIL (1000 BBL)	-1.0	-1.0	-1.0	-1.0	-1.0	246.6	292.8	232.0	239.0	728.0	113.8	280.5	347.0	163.5	56.5	111.1	847.6
CEMENT PL (1000 TONS)	-1.0	-1.0	-1.0	-1.0	-1.0	-1.0	-1.0	-1.0	-1.0	-1.0	230.0	448.0	517.0	531.0	1853.0	843.0	1227.0
POPULATION (1000's)	2216.0	2412.5	2609.0	2752.5	2896.0	2902.5	2909.0	3016.5	3124.0	3284.5	3445.0	3694.0	3943.0	4266.5	4590.0	5064.0	5976.0
FOREST FIRES (1000 ACRES	1010.4	1010.4	1010.4	1278.2	282.3	2250.0	4605.2	2708.6	3225.4	612.7	2944.1	798.5	162.9	38.4	60.0	26.2	48.8
CRUDE OIL PROD. (1000 BB	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
CRUDE OIL RUN (1000 BBL)	244.5	517.8	792.3	1080.4	1702.3	2935.4	3451.5	3712.0	2597.0	3249.0	3904.0	4687.0	16025.0	15328.0	16469.0	17975.0	18563.0
OFF-HIGHWAY VEH. (1000 B	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	406.0	425.0	777.0	1167.0	1360.0	721.0	386.0
LAND AREA (1000 SQ.MI.)	58.1																

NOTE:Negative number indicates missing datum;see footnote at end of table

IDAHO VOC EMISSIONS (1000 METRIC TONS)

SOURCE CATEGORY	1900	1905	1910	1915	1920	1925	1930	1935	1940	1945	1950	1955	1960	1965	1970	1975	1980	1985
TRANSPORTATION (Total)	2.2	3.6	4.9	6.3	6.9	12.1	16.2	17.1	23.7	24.0	41.4	47.6	55.3	56.1	56.7	48.1	38.8	33.7
Highway Vehicles	0.0	0.0	0.2	0.9	3.2	6.8	11.7	13.7	20.0	18.7	35.7	39.2	45.7	46.2	47.1	37.4	31.3	27.0
Aircraft	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.2	0.5	0.7	0.9	1.5	0.9	0.3	0.4	0.4
Railroads- Oil-fired	NA	NA	NA	NA	NA	0.5	-0.5	0.4	0.6	0.7	0.5	1.0	0.4	0.6	1.2	1.7	2.1	1.5
- Coal-fired	2.2	3.6	4.7	5.4	6.0	4.8	4.0	3.0	3.1	4.3	2.3	0.7	0.1	0.1	0.1	0.0	0.0	0.0
Vessels- Oil-fired	NA	NA	NA	NA	NA	-0.0	-0.0	-0.0	-0.0	-0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
-Coal-fired	NA	NA	NA	NA	NA	NA	NA	NA	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Other Off-Highway Use	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	2.3	5.9	8.1	7.8	7.5	8.6	5.1	4.8
EXTERNAL FUEL COMBUSTION (Total) . . .	69.0	65.7	62.3	58.9	54.8	50.2	45.7	41.4	37.4	31.7	24.2	18.4	14.4	10.3	7.6	7.6	17.9	21.5
Anthracite Coal	0.0	0.0	0.0	0.0	0.0	0.0	-0.0	-0.0	-0.0	-0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Bituminous Coal	0.4	0.6	0.8	1.0	1.0	1.0	1.0	0.8	0.9	1.1	0.9	0.4	0.2	0.2	0.1	0.0	0.0	0.0
Residual Oil	NA	NA	NA	NA	NA	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Distillate Oil	NA	NA	NA	NA	NA	0.0	0.0	0.0	0.0	0.0	0.1	0.0	0.0	0.0	0.1	0.1	0.0	0.0
Natural Gas	NA	NA	-0.0	-0.0	-0.0	-0.0	-0.0	-0.0	-0.0	-0.0	0.0	0.0	0.1	0.2	0.2	0.3	0.8	0.7
Wood	68.7	65.1	61.5	57.9	53.7	49.2	44.7	40.6	36.5	30.6	23.2	17.9	14.0	9.9	7.3	7.2	17.0	20.7
Coke and Other Fuels	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
INDUSTRIAL PROCESSES (Total)	0.4	0.7	1.0	1.4	2.5	4.0	5.6	6.5	9.3	11.4	19.5	18.8	19.5	27.1	26.6	18.9	21.3	20.6
Petroleum Refinery Process Operations	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Manufacture of Petrochemicals	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.1	0.2	0.3	0.5	0.7	1.1	1.9	1.2	1.6	1.7
Petrol. Production- Crude Oil	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
- Nat.Gas Liquids	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Petrol. Marketing - Gasoline	0.0	0.0	0.0	0.1	0.4	0.9	1.5	1.7	2.4	2.3	4.1	3.7	5.3	5.5	6.6	7.7	6.9	6.3
- Other Prod.	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	2.1	2.5	1.3	1.6	0.9	1.1	0.9	0.8
Surface Coating Operations	0.4	0.6	0.8	0.9	1.0	1.0	1.0	1.1	1.2	2.3	3.6	3.9	4.0	4.3	6.9	4.5	5.6	5.9
Misc. Indust. Processes	0.0	0.1	0.2	0.3	0.6	1.0	1.3	1.7	2.7	3.7	5.3	5.9	6.1	13.0	9.2	4.1	5.9	5.5
- Carbon Black Mfg.	0.0	0.0	0.0	0.1	0.5	1.0	1.7	2.0	2.9	2.9	4.2	2.4	2.1	1.5	1.1	0.4	0.4	0.3
SOLID WASTE DISPOSAL (Total)	1.6	2.2	2.8	3.0	3.2	3.1	3.0	3.1	3.2	4.1	4.2	4.9	5.2	6.0	6.3	1.6	1.4	1.3
Incineration	1.0	1.4	1.6	1.7	1.7	1.5	1.4	1.4	1.4	1.7	1.7	1.7	1.8	2.0	1.8	0.7	0.7	0.6
Open Burning	0.6	0.8	1.1	1.3	1.5	1.5	1.5	1.7	1.8	2.4	2.5	3.3	3.5	4.0	4.6	0.8	0.7	0.6
MISCELLANEOUS OTHER SOURCES (Total). .	56.4	57.9	59.5	22.5	28.8	31.0	28.4	32.6	33.7	46.6	33.8	32.6	49.7	31.2	34.4	24.4	28.7	31.0
Wildfires	39.5	39.5	39.5	1.2	6.3	7.2	3.1	6.6	5.5	17.1	2.0	1.7	18.7	4.8	9.8	10.5	15.2	18.1
Prescribed Fires	5.9	5.9	5.9	5.9	5.9	5.9	6.0	6.0	7.3	7.4	9.6	8.6	9.5	8.3	7.2	7.2	6.7	6.9
Other Burning	10.0	11.1	12.1	13.1	14.0	15.2	16.6	17.0	17.6	17.3	17.2	16.4	15.3	11.5	9.3	3.3	2.8	2.6
Organic Solvent Evaporation	1.0	1.5	2.0	2.3	2.7	2.7	2.7	3.0	3.2	4.8	5.1	5.9	6.2	6.6	8.2	3.4	4.0	3.5
TOTAL (ALL SOURCE CATEGORIES)	129.5	130.1	130.4	92.2	96.1	100.4	98.9	100.8	107.2	117.8	123.1	122.4	144.1	130.7	131.7	100.6	108.1	108.1

ACTIVITY INDICATORS 1900-1980 FOR STATE OF IDAHO

SOURCE CATEGORY	1900	1905	1910	1915	1920	1925	1930	1935	1940	1945	1950	1955	1960	1965	1970	1975	1980
BITUMINOUS COAL (1000 TONS)	241.7	359.3	484.3	645.7	658.4	672.9	697.3	612.3	701.5	1007.8	869.0	638.0	522.0	679.0	383.0	513.0	525.0
ANTHRACITE COAL (1000 TONS)	0.1	0.2	0.2	0.2	0.2	0.2	-1.0	-1.0	-1.0	-1.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
RESIDUAL OIL (1000 BBL)	-3.0	-3.0	-3.0	-3.0	-3.0	80.0	81.7	89.0	72.0	178.0	408.0	1054.0	143.0	290.0	234.0	685.0	614.0
DISTILLATE OIL (1000 BBL)	-3.0	-3.0	-3.0	-3.0	-3.0	65.6	82.8	111.0	105.0	227.0	1985.0	1128.0	2903.0	3558.0	3639.0	4237.0	1494.0
NATURAL GAS (10E6 CU. FT.)	-4.0	-4.0	-2.0	-2.0	-2.0	-2.0	-2.0	-1.0	-1.0	-1.0	0.0	0.0	21556.0	31797.0	46570.0	60413.0	231585.0
WOOD (1000 TONS)	1311.7	1246.1	1193.6	1141.1	1088.7	1036.2	983.8	944.4	918.2	852.6	787.0	714.0	660.0	602.0	667.0	646.0	1071.0
HIGHWAY VEHICLES																	
GASOLINE (1000 GAL)	-1.0	-1.0	-1.0	-1.0	-1.0	31010.0	54792.0	65981.0	97510.0	95986.0	175434.0	222538.0	257435.0	304687.0	-1.0	-1.0	-1.0
DIESEL (1000 GAL)	-1.0	-1.0	-1.0	-1.0	-1.0	-1.0	-1.0	-1.0	-1.0	-1.0	16464.0	16506.0	13440.0	29652.0	29064.0	46284.0	54306.0
VMT (10E6 MILES)	-1.0	-1.0	-1.0	-1.0	-1.0	-1.0	-1.0	-1.0	-1.0	-1.0	-1.0	-1.0	-1.0	-1.0	4741.0	5873.0	6943.0
MISCELLANEOUS																	
RAILROADS-COAL (1000 TONS)	525.3	792.8	1030.6	1192.3	1312.1	1055.5	879.4	665.5	698.8	952.1	519.0	169.0	35.0	17.0	8.0	0.0	0.0
RAILROADS-OIL (1000 BBL)	-1.0	-1.0	-1.0	-1.0	-1.0	369.8	347.7	285.0	324.0	471.0	311.0	587.0	255.0	329.0	694.0	1007.0	1250.0
COKE PL (1000 TONS COAL)	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
VES FUEL OIL (1000 BBL)	-1.0	-1.0	-1.0	-1.0	-1.0	-1.0	-1.0	-1.0	-1.0	-1.0	0.0	0.3	8.0	0.0	0.0	0.0	0.0
CEMENT PL (1000 TONS)	0.0	0.0	0.0	0.0	0.0	0.0	-1.0	-1.0	-1.0	-1.0	76.0	104.0	98.0	135.0	161.0	191.0	190.0
POPULATION (1000's)	162.0	244.0	326.0	379.0	432.0	438.5	445.0	485.0	525.0	557.0	589.0	628.0	667.0	690.0	713.0	382.0	509.0
FOREST FIRES (1000 ACRES)	311.0	311.0	311.0	9.1	49.2	56.4	24.1	52.1	49.2	134.7	25.5	13.8	149.9	27.4	53.3	70.2	119.2
CRUDE OIL PROD. (1000 BBL)	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
CRUDE OIL RUN (1000 BBL)	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
OFF-HIGHWAY VEH. (1000 BBL)	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	79.0	274.0	604.0	733.0	690.0	832.0	474.0
LAND AREA (1000 SQ.MI.)	82.7																

NOTE:Negative number indicates missing datum;see footnote at end of table

ILLINOIS VOC EMISSIONS (1000 METRIC TONS)

SOURCE CATEGORY	1900	1905	1910	1915	1920	1925	1930	1935	1940	1945	1950	1955	1960	1965	1970	1975	1980	1985
TRANSPORTATION (Total)	20.0	31.1	39.9	55.4	58.8	159.1	232.2	237.3	320.1	261.9	423.4	460.8	563.5	581.2	589.4	425.9	328.3	284.6
Highway Vehicles	0.1	0.5	3.2	16.3	57.1	122.7	200.7	212.6	290.9	215.6	385.8	427.3	516.9	527.0	549.0	387.9	293.0	253.2
Aircraft	0.0	0.0	0.0	0.0	0.0	0.1	0.1	0.1	0.2	3.1	7.0	10.1	13.8	22.5	13.7	10.0	8.8	9.1
Railroads- Oil-fired	NA	NA	NA	NA	NA	1.1	1.1	0.9	1.1	2.0	7.6	7.7	13.7	11.9	12.8	13.8	12.4	8.9
- Coal-fired	19.9	30.6	36.7	39.1	42.4	35.2	30.2	23.7	26.0	39.4	16.6	3.4	0.3	0.0	0.0	0.0	0.0	0.0
Vessels- Oil-fired	NA	NA	NA	NA	NA	0.1	0.1	0.1	0.1	0.1	0.2	0.5	0.5	1.4	0.2	2.8	0.4	0.4
-Coal-fired	NA	NA	NA	NA	NA	NA	NA	NA	1.9	1.7	1.4	1.0	0.6	0.5	0.4	0.1	0.0	0.0
Other Off-Highway Use	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	4.7	10.8	17.8	17.8	13.3	11.3	13.6	12.9
EXTERNAL FUEL COMBUSTION (Total) . . .	221.4	227.6	227.7	227.9	216.1	200.8	177.5	154.3	145.8	140.1	105.0	78.3	60.3	47.3	37.0	36.0	68.6	81.6
Anthracite Coal	7.0	9.2	9.8	10.1	10.0	7.3	1.2	0.9	0.8	1.7	0.5	0.3	0.3	0.3	0.2	0.0	0.1	0.1
Bituminous Coal	27.5	41.3	50.5	60.4	59.9	59.3	54.3	42.0	44.1	52.9	38.9	25.1	17.6	10.4	5.5	2.9	2.3	2.8
Residual Oil	NA	NA	NA	NA	NA	0.1	0.1	0.1	0.1	0.1	0.2	0.2	0.3	0.3	0.3	0.3	0.4	0.2
Distillate Oil	NA	NA	NA	NA	NA	0.0	0.0	0.0	0.1	0.1	0.2	0.3	0.4	0.4	0.4	0.6	0.2	0.1
Natural Gas	NA	NA	-0.0	-0.0	-0.0	0.1	0.0	0.8	0.8	1.4	1.6	3.1	3.1	4.2	5.0	4.7	3.9	3.5
Wood	185.9	176.1	166.5	156.7	145.5	133.2	121.0	109.9	98.9	83.0	62.9	48.8	38.2	31.6	25.2	27.0	61.5	74.7
Coke and Other Fuels	1.1	0.9	0.9	0.7	0.8	0.9	0.9	0.6	1.1	1.0	0.8	0.5	0.3	0.2	0.4	0.4	0.3	0.3
INDUSTRIAL PROCESSES (Total)	16.3	25.2	38.7	45.1	64.5	95.8	129.0	134.7	188.6	222.4	279.6	288.5	313.1	427.7	416.1	380.8	391.5	370.0
Petroleum Refinery Process Operations	0.1	2.3	3.5	4.6	7.4	11.4	12.7	12.9	24.7	26.7	32.7	47.6	45.4	47.5	47.9	55.5	54.4	42.4
Manufacture of Petrochemicals	0.0	0.2	0.2	0.3	0.4	0.7	0.7	0.7	0.9	2.4	3.7	7.4	11.2	17.5	30.0	34.9	37.0	37.9
Petrol. Production- Crude Oil	0.0	0.0	2.1	1.2	0.7	0.5	0.4	0.3	9.3	4.7	3.9	5.1	4.8	4.0	2.8	1.6	1.4	1.5
- Nat.Gas Liquids	0.0	0.0	0.4	0.2	0.1	0.1	0.1	0.1	1.7	1.7	1.4	2.7	2.5	2.5	1.9	1.3	1.3	1.3
Petrol. Marketing - Gasoline	0.0	0.1	0.4	2.2	7.8	16.8	25.9	26.5	34.5	26.8	47.7	42.4	61.7	66.2	77.4	80.2	64.3	59.4
- Other Prod.	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	4.3	9.1	6.8	9.6	11.0	11.6	10.2	9.1
Surface Coating Operations	16.1	20.6	28.3	29.4	30.8	31.8	37.3	36.0	34.2	71.1	58.1	59.3	63.5	62.1	89.1	71.3	84.9	89.5
Misc. Indust. Processes	0.1	2.0	3.2	4.8	8.9	16.7	22.3	27.3	40.9	55.0	78.6	87.8	92.2	200.0	143.5	120.1	134.3	125.8
- Carbon Black Mfg.	0.0	0.1	0.5	2.4	8.3	17.8	29.6	31.0	42.4	34.0	49.1	27.0	24.9	18.3	12.4	4.3	3.5	3.1
SOLID WASTE DISPOSAL (Total)	46.6	47.3	47.7	48.0	48.0	49.3	50.7	49.7	48.6	61.1	62.3	73.5	79.0	91.8	98.5	46.5	32.6	29.3
Incineration	29.9	29.2	28.2	26.9	25.5	24.8	24.2	22.8	21.2	25.8	25.2	24.7	26.7	30.0	27.5	21.7	16.2	14.6
Open Burning	16.7	18.1	19.6	21.0	22.5	24.5	26.5	26.9	27.4	35.4	37.1	48.8	52.3	61.8	71.0	24.8	16.4	14.7
MISCELLANEOUS OTHER SOURCES (Total). .	45.2	52.1	51.7	58.5	54.5	64.1	67.1	63.6	70.1	89.2	93.4	105.9	111.6	117.4	140.6	107.2	98.2	85.7
Wildfires	4.7	4.7	4.7	8.3	1.2	6.4	4.8	0.3	4.6	1.3	0.6	1.5	0.7	2.0	1.4	0.2	0.8	1.0
Prescribed Fires	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.9	5.0	6.5	5.8	6.4	5.6	4.8	4.8	4.5	4.6
Other Burning	6.8	11.1	8.2	8.8	9.4	10.3	11.2	11.5	11.8	11.7	11.6	11.1	10.3	7.7	6.2	2.2	1.9	1.7
Organic Solvent Evaporation	29.7	32.2	34.7	37.4	40.0	43.5	47.0	47.9	48.7	71.3	74.8	87.6	94.1	102.1	128.1	99.9	91.0	78.3
TOTAL (ALL SOURCE CATEGORIES)	349.6	383.3	405.7	434.9	441.9	569.1	656.4	639.7	773.3	774.8	963.8	1007.0	1127.4	1265.4	1281.6	996.4	919.1	851.2

ACTIVITY INDICATORS 1900-1980 FOR STATE OF ILLINOIS

SOURCE CATEGORY	1900	1905	1910	1915	1920	1925	1930	1935	1940	1945	1950	1955	1960	1965	1970	1975	1980
BITUMINOUS COAL (1000 TONS)	18002.8	24813.0	30870.7	37565.9	38048.3	39204.0	37403.2	30859.4	36372.8	49099.3	36949.0	36485.0	38443.0	43158.0	38622.0	38854.0	40053.0
ANTHRACITE COAL (1000 TONS)	2149.2	2911.4	3140.1	3292.0	3321.2	2480.1	211.1	159.5	265.4	529.5	199.0	110.0	92.0	121.0	107.0	34.0	63.0
RESIDUAL OIL (1000 BBL)	-3.0	-3.0	-3.0	-3.0	-3.0	5698.4	5478.5	5484.0	5323.0	9644.0	12802.0	14325.0	24652.0	21595.0	27801.0	27659.0	28242.0
DISTILLATE OIL (1000 BBL)	-3.0	-3.0	-3.0	-3.0	-3.0	993.3	1094.5	1311.0	2444.0	4001.0	8827.0	9661.0	35520.0	32643.0	30434.0	32339.0	9951.0
NATURAL GAS (10E6 CU. FT.)	-4.0	-4.0	-2.0	-2.0	-2.0	4165.0	9602.0	54506.0	88088.0	123023.0	269063.0	454243.0	529753.0	767066.0	1183999.0	1095013.0	1089336.0
WOOD (1000 TONS)	3551.7	3374.1	3232.0	3089.9	2947.9	2805.8	2663.8	2557.2	2486.2	2308.6	2131.0	1944.0	1804.0	1929.0	2286.0	2420.0	3868.0
HIGHWAY VEHICLES																	
GASOLINE (1000 GAL)	-1.0	-1.0	-1.0	-1.0	-1.0	560306.0	937[illegible]0.0	1022648.0	1419805.0	1105736.0	2044122.0	2551090.0	3016385.0	3649763.0	-1.0	-1.0	-1.0
DIESEL (1000 GAL)	-1.0	-1.0	-1.0	-1.0	-1.0	-1.0	-1.0	-1.0	-1.0	-1.0	29316.0	53256.0	49854.0	167202.0	392028.0	506352.0	600936.0
VMT (10E6 MILES)	-1.0	-1.0	-1.0	-1.0	-1.0	-1.0	-1.0	-1.0	-1.0	-1.0	-1.0	-1.0	-1.0	-1.0	55313.0	60943.0	65086.0
MISCELLANEOUS																	
RAILROADS-COAL (1000 TONS)	4829.8	6722.3	8062.7	8595.2	9317.8	7726.0	6642.7	5198.4	5815.9	8650.8	3732.0	757.0	91.0	0.0	0.0	0.0	0.0
RAILROADS-OIL (1000 BBL)	-1.0	-1.0	-1.0	-1.0	-1.0	821.4	772.3	633.0	649.0	1327.0	4447.0	4737.0	8023.0	6974.0	7494.0	8065.0	7282.0
COKE PL (1000 TONS COAL)	1761.4	2090.1	2647.5	2530.1	3433.1	3928.2	4059.9	2730.3	4064.4	4369.8	5124.0	4323.0	2874.0	3607.0	3688.0	3094.0	2052.0
VES FUEL OIL (1000 BBL)	-1.0	-1.0	-1.0	-1.0	-1.0	318.9	378.6	300.0	180.0	244.0	143.3	145.3	88.3	137.8	163.8	210.3	62.0
CEMENT PL (1000 TONS)	45.0	291.0	838.0	969.0	1041.0	1335.0	1492.0	633.0	935.0	821.0	1490.0	1656.0	1743.0	1736.0	1391.0	1481.0	1768.0
POPULATION (1000's)	4822.0	5230.5	5639.0	6062.0	6485.0	7058.0	7631.0	7764.0	7897.0	8304.5	8712.0	9396.5	10081.0	10597.5	11114.0	11292.0	11535.0
FOREST FIRES (1000 ACRES)	37.4	37.4	37.4	65.6	9.1	50.0	38.0	2.1	41.5	10.1	7.5	11.5	6.0	11.4	7.6	1.3	6.5
CRUDE OIL PROD. (1000 BBL)	0.0	181.0	33143.0	19042.0	10774.0	7863.0	5736.0	4322.0	147647.0	75094.0	62028.0	81423.0	77341.0	63708.0	43747.0	26067.0	22702.0
CRUDE OIL RUN (1000 BBL)	2336.4	4947.4	7570.4	10323.1	16266.3	28048.3	32980.0	35469.0	73422.0	96587.0	128249.0	189614.0	191517.0	222553.0	265381.0	287089.0	277329.0
OFF-HIGHWAY VEH. (1000 BBL)	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	162.0	499.0	1327.0	1674.0	1218.0	1089.0	1281.0
LAND AREA (1000 SQ.MI.)	55.7																

NOTE:Negative number indicates missing datum;see footnote at end of table

INDIANA VOC EMISSIONS (1000 METRIC TONS)

SOURCE CATEGORY	1900	1905	1910	1915	1920	1925	1930	1935	1940	1945	1950	1955	1960	1965	1970	1975	1980	1985
TRANSPORTATION (Total)	9.9	16.8	23.3	33.4	36.5	84.4	112.5	114.5	150.2	143.9	228.1	271.7	318.8	323.9	354.4	257.6	277.2	239.9
Highway Vehicles	0.0	0.2	1.6	8.1	28.2	60.6	92.0	98.4	131.7	114.6	205.8	250.0	297.9	298.6	323.4	237.8	259.4	224.2
Aircraft	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.1	0.1	1.4	3.1	4.6	6.4	10.5	6.4	4.7	4.2	4.3
Railroads- Oil-fired	NA	NA	NA	NA	NA	0.1	0.1	0.1	0.1	0.5	1.4	4.2	4.9	4.2	4.6	4.3	6.7	4.8
- Coal-fired	9.8	16.5	21.7	25.3	28.4	23.6	20.3	15.9	17.4	26.4	11.2	2.3	0.2	0.0	0.0	0.0	0.0	0.0
Vessels- Oil-fired	NA	NA	NA	NA	NA	0.1	0.1	0.1	0.1	0.2	0.1	0.1	0.3	0.8	0.1	1.6	0.3	0.4
-Coal-fired	NA	NA	NA	NA	NA	NA	NA	NA	0.9	0.8	0.6	0.5	0.3	0.3	0.3	0.1	0.0	0.0
Other Off-Highway Use	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	5.9	9.9	8.8	9.5	19.6	9.1	6.6	6.2
EXTERNAL FUEL COMBUSTION (Total) . . .	169.2	166.5	162.9	159.6	153.2	145.9	132.2	115.8	108.2	98.1	73.6	54.2	40.9	29.9	23.2	24.3	52.2	62.0
Anthracite Coal	1.3	1.7	1.8	1.8	1.8	1.3	0.4	0.3	0.2	0.3	0.0	0.0	0.1	0.2	0.1	0.0	0.0	0.0
Bituminous Coal	8.2	13.4	17.8	23.0	25.9	29.4	26.9	20.1	20.7	23.8	17.6	12.4	8.8	5.7	4.2	2.4	2.2	2.7
Residual Oil	NA	NA	NA	NA	NA	0.1	0.1	0.1	0.1	0.1	0.2	0.2	0.2	0.2	0.1	0.2	0.2	0.1
Distillate Oil	NA	NA	NA	NA	NA	0.0	0.0	0.0	0.0	0.0	0.2	0.2	0.3	0.3	0.3	0.4	0.2	0.1
Natural Gas	NA	NA	0.1	0.1	0.1	0.0	0.0	0.3	0.3	0.5	0.4	0.9	1.3	2.0	2.3	2.0	1.7	1.6
Wood	158.6	150.3	142.1	133.7	124.1	113.6	103.2	93.8	84.4	70.8	53.7	38.9	28.9	21.1	14.9	17.3	46.0	55.9
Coke and Other Fuels	1.1	1.1	1.2	1.0	1.3	1.4	1.6	1.3	2.5	2.5	1.7	1.6	1.3	0.5	1.3	1.9	1.8	1.6
INDUSTRIAL PROCESSES (Total)	6.8	29.1	39.1	43.1	62.1	50.6	63.8	67.7	86.6	96.8	169.1	173.6	194.8	242.0	254.0	237.7	250.7	235.9
Petroleum Refinery Process Operations	0.2	3.8	5.8	7.6	12.3	18.8	21.0	21.4	25.4	23.5	32.1	34.8	37.0	34.0	34.3	39.7	38.9	30.3
Manufacture of Petrochemicals	0.0	0.1	0.1	0.1	0.2	0.3	0.3	0.3	0.4	1.1	1.7	3.4	5.2	8.1	14.0	16.6	17.7	18.0
Petrol. Production- Crude Oil	0.0	0.7	0.1	0.1	0.1	0.1	0.1	0.0	0.3	0.3	0.7	0.7	0.7	0.7	0.5	0.3	0.3	0.3
- Nat.Gas Liquids	0.0	0.1	0.0	0.0	0.0	0.0	0.0	0.0	0.1	0.1	0.2	0.4	0.4	0.5	0.3	0.2	0.3	0.3
Petrol. Marketing - Gasoline	0.0	0.0	0.2	0.1	3.9	8.3	11.9	12.2	15.6	14.2	25.2	24.9	35.2	37.3	45.6	49.2	56.9	52.6
- Other Prod.	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	3.5	5.4	5.7	6.4	6.6	7.9	9.7	8.7
Surface Coating Operations	6.5	23.3	31.0	30.8	37.6	7.1	7.5	7.7	7.9	15.1	44.2	48.1	53.8	51.8	78.2	64.1	59.7	62.9
Misc. Indust. Processes	0.0	1.0	1.5	2.2	4.0	7.3	9.5	11.7	17.7	24.4	35.5	40.2	42.6	93.0	67.0	57.1	64.0	60.0
- Carbon Black Mfg.	0.0	0.0	0.2	1.2	4.1	8.8	13.6	14.3	19.2	18.1	26.0	15.8	14.2	10.3	7.3	2.6	3.1	2.8
SOLID WASTE DISPOSAL (Total)	24.3	23.6	22.9	22.3	21.7	21.5	21.5	21.3	21.1	27.1	28.1	33.6	36.5	42.7	46.1	22.1	15.5	14.0
Incineration	15.6	14.6	13.5	12.5	11.5	10.8	10.3	9.8	9.2	11.4	11.4	11.3	12.3	14.0	12.9	10.3	7.7	7.0
Open Burning	8.7	9.0	9.4	9.8	10.2	10.7	11.2	11.6	11.9	15.7	16.8	22.3	24.2	28.7	33.2	11.8	7.8	7.0
MISCELLANEOUS OTHER SOURCES (Total). .	30.9	38.2	32.9	40.9	28.2	30.9	55.2	31.9	37.4	43.8	45.8	51.4	55.6	56.9	67.8	52.1	47.7	41.7

ACTIVITY INDICATORS 1900-1980 FOR STATE OF INDIANA

SOURCE CATEGORY	1900	1905	1910	1915	1920	1925	1930	1935	1940	1945	1950	1955	1960	1965	1970	1975	1980
BITUMINOUS COAL (1000 TONS)	5358.3	8060.7	10870.1	14291.2	16446.5	19447.4	18526.0	14808.0	17089.2	22140.2	16703.0	17954.0	19203.0	23839.0	29713.0	32856.0	38897.0
ANTHRACITE COAL (1000 TONS)	391.7	530.6	572.3	600.0	605.3	452.0	66.4	50.2	83.5	87.1	0.0	0.0	45.0	83.0	69.0	20.0	2.0
RESIDUAL OIL (1000 BBL)	-3.0	-3.0	-3.0	-3.0	-3.0	5922.4	5631.8	5569.0	6902.0	11026.0	14415.0	12884.0	12501.0	11999.0	9400.0	14479.0	14493.0
DISTILLATE OIL (1000 BBL)	-3.0	-3.0	-3.0	-3.0	-3.0	378.9	374.2	403.0	774.0	1364.0	6574.0	8480.0	24562.0	22922.0	21234.0	22216.0	10830.0
NATURAL GAS (10E6 CU. FT.)	-4.0	-4.0	5760.2	4518.9	4435.2	1786.4	2516.0	18787.9	29214.0	44242.0	59686.0	133461.0	216380.0	359040.0	545368.0	477341.0	489247.0
WOOD (1000 TONS)	3030.0	2878.5	2757.3	2636.1	2514.9	2393.7	2272.5	2181.6	2121.0	1969.5	1818.0	1549.0	1365.0	1284.0	1355.0	1553.0	2893.0
HIGHWAY VEHICLES																	
GASOLINE (1000 GAL)	-1.0	-1.0	-1.0	-1.0	-1.0	276848.0	429960.0	473378.0	642589.0	587894.0	1080865.0	1495236.0	1720858.0	2053563.0	-1.0	-1.0	-1.0
DIESEL (1000 GAL)	-1.0	-1.0	-1.0	-1.0	-1.0	-1.0	-1.0	-1.0	-1.0	-1.0	24990.0	28686.0	46368.0	109074.0	233352.0	345660.0	569142.0
VMT (10E6 MILES)	-1.0	-1.0	-1.0	-1.0	-1.0	-1.0	-1.0	-1.0	-1.0	-1.0	-1.0	-1.0	-1.0	-1.0	32578.0	37359.0	57615.0
MISCELLANEOUS																	
RAILROADS-COAL (1000 TONS)	2383.7	3630.9	4764.5	5560.2	6252.3	5183.8	4457.0	3488.5	3901.9	5804.8	2504.0	508.0	61.0	0.0	0.0	0.0	0.0
RAILROADS-OIL (1000 BBL)	-1.0	-1.0	-1.0	-1.0	-1.0	67.5	63.4	52.0	65.0	311.0	814.0	2573.0	2868.0	2476.0	2708.0	2526.0	3908.0
COKE PL (1000 TONS COAL)	1862.7	2412.2	3367.4	3593.1	5412.3	6582.9	7374.9	5525.8	9207.2	11143.4	11201.0	13240.0	11155.0	11997.0	12672.0	14072.0	11684.0
VES FUEL OIL (1000 BBL)	-1.0	-1.0	-1.0	-1.0	-1.0	262.6	311.7	247.0	145.0	392.0	76.3	38.8	53.3	78.5	72.3	118.8	51.3
CEMENT PL (1000 TONS)	6.0	588.0	1357.0	1531.0	2028.0	-1.0	-1.0	-1.0	-1.0	-1.0	1880.0	2458.0	2756.0	2847.0	2823.0	2782.0	2033.0
POPULATION (1000's)	2516.0	2608.5	2701.0	2815.5	2930.0	3084.5	3239.0	3333.5	3428.0	3681.0	3934.0	4298.0	4662.0	4928.0	5194.0	5366.0	5499.0
FOREST FIRES (1000 ACRES)	66.3	66.3	66.3	120.8	11.9	20.6	200.0	10.4	48.5	11.1	4.0	3.0	9.7	4.8	4.2	0.5	1.6
CRUDE OIL PROD. (1000 BBL)	4874.0	10964.0	2160.0	876.0	945.0	829.0	994.0	777.0	4978.0	4868.0	10699.0	10988.0	12054.0	11481.0	7487.0	4632.0	4978.0
CRUDE OIL RUM (1000 BBL)	3860.6	8174.8	12508.9	17057.4	26877.5	46345.5	54494.3	58607.0	75454.0	84797.0	125874.0	138676.0	155863.0	159242.0	189886.0	205419.0	198435.0
OFF-HIGHWAY VEH. (1000 BBL)	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	202.0	459.0	659.0	894.0	1800.0	877.0	617.0
LAND AREA (1000 SQ.MI.)	36.1																

NOTE:Negative number indicates missing datum;see footnote at end of table

IOWA VOC EMISSIONS (1000 METRIC TONS)

SOURCE CATEGORY	1900	1905	1910	1915	1920	1925	1930	1935	1940	1945	1950	1955	1960	1965	1970	1975	1980	1985
TRANSPORTATION (Total)	7.4	11.0	13.7	19.1	19.6	60.0	85.5	87.2	108.0	95.8	155.3	159.6	188.2	184.9	206.7	143.4	93.6	81.1
Highway Vehicles	0.0	0.2	1.3	6.6	23.0	49.4	76.7	80.5	100.5	83.9	139.3	145.6	171.8	164.0	180.9	125.0	85.4	73.8
Aircraft	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.1	1.0	2.1	2.9	3.8	5.9	3.5	2.5	2.2	2.3
Railroads- Oil-fired	NA	NA	NA	NA	NA	0.1	0.1	0.1	0.4	1.3	3.5	4.6	2.2	1.5	2.1	3.0	2.6	1.9
- Coal-fired	7.4	10.9	12.4	12.5	13.0	10.4	8.7	6.6	6.8	9.4	5.0	1.6	0.3	0.3	0.2	0.0	0.0	0.0
Vessels- Oil-fired	NA	NA	NA	NA	NA	-0.0	-0.0	-0.0	-0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.1	0.0	0.0
-Coal-fired	NA	NA	NA	NA	NA	NA	NA	NA	0.3	0.3	0.2	0.1	0.1	0.1	0.1	0.0	0.0	0.0
Other Off-Highway Use	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	5.1	4.7	10.1	13.1	19.9	12.8	3.3	3.1
EXTERNAL FUEL COMBUSTION (Total) . . .	46.6	48.3	48.3	48.3	45.0	41.2	36.4	31.1	28.5	26.4	20.2	14.6	11.1	7.7	6.2	7.0	10.6	12.6
Anthracite Coal	0.7	0.9	0.9	0.9	0.9	0.7	-0.0	-0.0	-0.0	-0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Bituminous Coal	7.8	11.3	13.3	15.2	14.2	13.2	11.6	8.4	8.0	9.0	6.7	3.5	2.3	1.4	0.9	0.5	0.7	0.9
Residual Oil	NA	NA	NA	NA	NA	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Distillate Oil	NA	NA	NA	NA	NA	0.0	0.0	0.0	0.0	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.0
Natural Gas	NA	NA	0.0	0.0	0.0	0.0	0.0	0.2	0.2	0.4	0.5	1.2	1.1	1.3	1.5	1.5	1.0	0.9
Wood	38.1	36.1	34.2	32.1	29.8	27.3	24.8	22.5	20.3	17.0	12.9	9.8	7.6	4.9	3.8	4.8	8.8	10.7
Coke and Other Fuels	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
INDUSTRIAL PROCESSES (Total)	5.2	6.1	6.9	22.7	29.4	35.7	51.9	55.4	60.6	79.0	92.7	88.0	100.7	126.2	137.4	116.0	114.4	113.0
Petroleum Refinery Process Operations	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Manufacture of Petrochemicals	0.0	0.1	0.1	0.1	0.2	0.2	0.2	0.2	0.3	0.8	1.1	2.1	3.1	4.6	7.6	8.9	9.3	9.5
Petrol. Production- Crude Oil	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
- Nat.Gas Liquids	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Petrol. Marketing - Gasoline	0.0	0.0	0.2	0.9	3.1	6.8	9.9	10.0	11.9	10.4	17.3	14.6	20.3	20.7	25.5	25.8	18.8	17.3
- Other Prod.	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	1.3	2.2	2.9	2.7	4.5	4.4	4.5	4.0
Surface Coating Operations	5.2	5.1	5.1	18.9	19.4	15.8	23.3	24.6	20.6	37.6	31.5	34.8	40.9	39.9	59.2	44.8	47.3	49.9
Misc. Indust. Processes	0.0	0.8	1.3	1.8	3.3	5.8	7.2	8.8	13.1	17.1	23.7	25.1	25.2	52.7	36.5	30.6	33.6	31.4
- Carbon Black Mfg.	0.0	0.0	0.2	1.0	3.3	7.1	11.3	11.7	14.6	13.2	17.8	9.3	8.2	5.7	4.1	1.4	1.0	0.9
SOLID WASTE DISPOSAL (Total)	21.6	20.2	18.8	18.3	17.8	17.0	16.4	16.0	15.6	19.0	18.7	21.0	21.6	24.2	25.0	11.9	8.2	7.3
Incineration	13.8	12.4	11.1	10.3	9.4	8.6	7.8	7.3	6.8	8.0	7.6	7.1	7.3	7.9	7.0	5.5	4.0	3.7
Open Burning	7.7	7.7	7.7	8.0	8.3	8.5	8.6	8.7	8.8	11.0	11.2	14.0	14.3	16.3	18.0	6.3	4.1	3.7
MISCELLANEOUS OTHER SOURCES (Total). .	24.6	28.9	25.9	27.1	28.2	29.2	30.4	30.9	32.4	38.7	40.9	42.1	42.5	40.4	44.5	33.0	31.9	29.3
Wildfires	-0.0	-0.0	-0.0	-0.0	-0.0	-0.1	-0.1	-0.1	-0.1	-0.1	0.2	0.1	0.0	0.1	0.8	0.4	2.8	3.3
Prescribed Fires	4.0	4.0	4.0	4.0	4.0	4.0	4.1	4.0	5.0	5.0	6.5	5.8	6.5	5.6	4.8	4.9	4.5	4.7
Other Burning	6.8	11.1	8.2	8.9	9.5	10.3	11.2	11.5	11.9	11.7	11.6	11.1	10.4	7.8	6.3	2.2	1.9	1.7
Organic Solvent Evaporation	13.8	13.7	13.7	14.3	14.8	15.0	15.2	15.4	15.7	22.1	22.5	25.1	25.7	26.9	32.6	25.5	22.7	19.6
TOTAL (ALL SOURCE CATEGORIES)	105.3	114.5	113.6	135.5	140.0	183.2	220.7	220.6	245.2	259.0	327.8	325.3	364.2	383.4	419.8	311.2	258.7	243.3

ACTIVITY INDICATORS 1900-1980 FOR STATE OF IOWA

SOURCE CATEGORY	1900	1905	1910	1915	1920	1925	1930	1935	1940	1945	1950	1955	1960	1965	1970	1975	1980
BITUMINOUS COAL (1000 TONS)	5121.3	6791.6	8109.7	9465.4	9057.1	8742.5	7992.7	6166.4	6617.2	8352.4	6382.0	5079.0	4992.0	5647.0	6159.0	6741.0	12568.0
ANTHRACITE COAL (1000 TONS)	202.4	274.2	295.7	310.0	312.7	233.5	-1.0	-1.0	-1.0	-1.0	0.0	0.0	0.0	0.0	0.0	0.0	33.0
RESIDUAL OIL (1000 BBL)	-3.0	-3.0	-3.0	-3.0	-3.0	429.4	382.9	376.0	241.0	410.0	454.0	333.0	783.0	472.0	277.0	401.0	367.0
DISTILLATE OIL (1000 BBL)	-3.0	-3.0	-3.0	-3.0	-3.0	281.1	302.8	369.0	917.0	1894.0	3151.0	2894.0	10995.0	9346.0	7879.0	6924.0	4019.0
NATURAL GAS (10E6 CU. FT.)	-4.0	-4.0	0.1	0.3	0.8	0.0	0.0	14678.2	23460.0	33769.0	83605.0	178978.0	192200.0	247609.0	348662.0	345798.0	269581.0
WOOD (1000 TONS)	728.3	691.9	662.8	633.6	604.5	575.4	546.3	524.4	509.8	473.4	437.0	391.0	357.0	299.0	341.0	435.0	556.0
HIGHWAY VEHICLES																	
GASOLINE (1000 GAL)	-1.0	-1.0	-1.0	-1.0	-1.0	225530.0	358401.0	387053.0	490454.0	430335.0	739862.0	875371.0	993109.0	1140834.0	-1.0	-1.0	-1.0
DIESEL (1000 GAL)	-1.0	-1.0	-1.0	-1.0	-1.0	-1.0	-1.0	-1.0	-1.0	-1.0	8778.0	12180.0	25788.0	46704.0	165522.0	197484.0	265104.0
VMT (10E6 MILES)	-1.0	-1.0	-1.0	-1.0	-1.0	-1.0	-1.0	-1.0	-1.0	-1.0	-1.0	-1.0	-1.0	-1.0	18227.0	19633.0	18971.0
MISCELLANEOUS																	
RAILROADS-COAL (1000 TONS)	1787.1	2384.8	2726.4	2748.5	2854.2	2295.8	1912.6	1449.0	1520.9	2072.2	1129.0	367.0	77.0	38.0	17.0	0.0	0.0
RAILROADS-OIL (1000 BBL)	-1.0	-1.0	-1.0	-1.0	-1.0	77.9	73.2	60.0	221.0	815.0	2030.0	2827.0	1297.0	880.0	1250.0	1744.0	1519.0
COKE PL (1000 TONS COAL)	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
VES FUEL OIL (1000 BBL)	-1.0	-1.0	-1.0	-1.0	-1.0	-1.0	-1.0	-1.0	-1.0	4.0	5.0	5.1	1.8	4.8	4.3	6.0	6.3
CEMENT PL (1000 TONS)	0.0	0.0	-1.0	857.0	911.0	874.0	1332.0	662.0	866.0	601.0	1394.0	1914.0	2355.0	2552.0	2523.0	2208.0	2058.0
POPULATION (1000's)	2232.0	2228.5	2225.0	2314.5	2404.0	2437.5	2471.0	2504.5	2538.0	2579.5	2621.0	2689.5	2758.0	2791.0	2824.0	2881.0	2884.0
FOREST FIRES (1000 ACRES)	-0.0	-0.0	-0.0	-0.0	-0.0	-1.0	-1.0	-1.0	-1.0	-1.0	3.2	0.5	0.0	0.7	4.5	2.6	21.6
CRUDE OIL PROD. (1000 BBL)	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
CRUDE OIL RUN (1000 BBL)	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
OFF-HIGHWAY VEH. (1000 BBL)	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	176.0	215.0	758.0	1227.0	1824.0	1234.0	312.0
LAND AREA (1000 SQ.MI.)	55.9																

NOTE:Negative number indicates missing datum;see footnote at end of table

KANSAS VOC EMISSIONS (1000 METRIC TONS)

SOURCE CATEGORY	1900	1905	1910	1915	1920	1925	1930	1935	1940	1945	1950	1955	1960	1965	1970	1975	1980	1985
TRANSPORTATION (Total)	9.4	13.8	16.3	20.7	21.1	62.7	82.6	75.4	86.9	84.7	127.0	132.9	155.0	158.0	156.5	123.5	93.4	80.3
Highway Vehicles	0.0	0.2	1.1	5.7	19.9	42.8	65.2	61.8	71.6	60.0	104.5	116.8	137.6	139.2	132.7	98.6	77.8	67.3
Aircraft	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.7	1.5	2.2	3.0	4.7	2.8	2.0	1.9	1.9
Railroads- Oil-fired	NA	NA	NA	NA	NA	7.6	7.1	5.8	7.1	12.8	8.9	6.9	4.8	4.4	4.1	4.0	8.3	6.0
- Coal-fired	9.4	13.6	15.2	15.0	15.4	12.4	10.3	7.8	8.0	11.2	6.0	1.9	0.3	0.4	0.2	0.0	0.0	0.0
Vessels- Oil-fired	NA	NA	NA	NA	NA	-0.0	-0.0	-0.0	0.0	-0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
-Coal-fired	NA	NA	NA	NA	NA	NA	NA	NA	0.1	0.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Other Off-Highway Use	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	6.1	5.0	9.3	9.3	16.7	18.9	5.3	5.1
EXTERNAL FUEL COMBUSTION (Total) . . .	32.5	32.5	33.7	32.2	29.9	28.5	25.0	21.8	19.4	18.0	12.7	10.0	7.5	5.9	5.0	6.3	9.8	11.3
Anthracite Coal	0.1	0.1	0.1	0.1	0.1	0.1	-0.0	-0.0	-0.0	-0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Bituminous Coal	3.5	5.0	5.9	6.7	6.5	6.7	5.9	3.8	3.1	3.0	1.2	0.7	0.4	0.2	0.2	0.2	0.7	0.9
Residual Oil	NA	NA	NA	NA	NA	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.1	0.0	0.0
Distillate Oil	NA	NA	NA	NA	NA	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.1	0.0	0.0
Natural Gas	NA	NA	1.9	1.1	0.7	1.0	0.3	0.9	0.9	2.1	1.7	2.5	2.2	2.5	2.4	2.1	1.7	1.6
Wood	28.9	27.4	25.9	24.3	22.6	20.7	18.8	17.1	15.4	12.9	9.8	6.7	4.8	3.2	2.3	3.7	7.3	8.8
Coke and Other Fuels	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
INDUSTRIAL PROCESSES (Total)	5.2	8.1	29.1	23.7	36.8	52.0	61.9	60.3	65.2	87.9	105.5	109.8	111.0	132.3	135.0	127.5	136.8	129.8
Petroleum Refinery Process Operations	0.1	2.9	4.4	5.8	9.3	14.2	15.9	16.1	16.6	16.9	18.6	25.9	25.9	24.1	24.3	28.2	27.6	21.5
Manufacture of Petrochemicals	0.0	0.1	0.1	0.1	0.1	0.2	0.2	0.2	0.2	0.5	0.8	1.6	2.4	3.6	6.1	7.0	7.9	8.0
Petrol. Production- Crude Oil	0.0	0.8	0.1	0.2	2.5	2.4	2.6	3.5	4.2	6.1	6.8	7.7	7.0	6.6	5.4	3.7	3.8	3.9
- Nat.Gas Liquids	0.0	0.1	0.0	0.0	0.5	0.5	0.5	0.6	0.8	2.2	2.5	4.1	3.7	4.1	3.8	3.0	3.4	3.5
Petrol. Marketing - Gasoline	0.0	0.0	0.2	0.8	2.7	5.9	8.4	7.7	8.5	7.4	12.8	11.6	16.5	17.6	18.7	20.4	17.1	15.8
- Other Prod.	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	1.6	2.6	1.1	2.0	3.1	3.1	3.9	3.4
Surface Coating Operations	5.1	3.6	23.3	14.7	16.5	18.4	19.2	16.7	15.1	33.0	31.9	29.8	27.9	27.6	41.7	36.8	43.7	46.1
Misc. Indust. Processes	0.0	0.6	1.0	1.4	2.4	4.3	5.5	6.5	9.3	12.3	17.2	19.1	19.9	41.8	29.0	24.3	28.5	26.7
- Carbon Black Mfg.	0.0	0.0	0.2	0.8	2.9	6.2	9.6	9.0	10.4	9.4	13.2	7.4	6.6	4.9	3.0	1.1	0.9	0.8
SOLID WASTE DISPOSAL (Total)	14.2	14.3	14.3	13.7	13.1	12.7	12.5	11.8	11.1	13.6	13.6	16.0	17.1	19.2	19.9	9.4	6.9	6.2
Incineration	9.1	8.8	8.4	7.7	6.9	6.4	6.0	5.4	4.8	5.7	5.5	5.4	5.8	6.3	5.6	4.4	3.4	3.1
Open Burning	5.1	5.5	5.9	6.0	6.1	6.3	6.5	6.4	6.3	7.9	8.1	10.6	11.3	12.9	14.4	5.0	3.5	3.1
MISCELLANEOUS OTHER SOURCES (Total). .	24.8	26.7	28.3	29.4	30.5	32.0	33.8	33.9	35.6	40.2	42.7	43.6	44.7	49.7	48.5	33.7	43.5	43.3
Wildfires	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	9.0	6.5	3.3	13.9	16.5
Prescribed Fires	5.8	5.8	5.8	5.8	5.8	5.9	5.9	5.9	7.3	7.3	9.5	8.5	9.4	8.2	7.1	7.1	6.6	6.3
Other Burning	10.0	11.1	12.1	13.0	13.8	15.1	16.4	16.9	17.4	17.1	17.0	16.3	15.2	11.4	9.2	3.2	2.8	2.5
Organic Solvent Evaporation	9.1	9.7	10.4	10.7	10.9	11.2	11.6	11.4	11.1	15.9	16.4	19.0	20.3	21.3	25.9	20.2	19.3	16.6
TOTAL (ALL SOURCE CATEGORIES)	86.2	95.4	121.7	119.7	131.4	188.0	215.8	203.3	218.2	244.4	301.5	312.2	335.3	365.0	364.9	300.3	290.4	270.9

ACTIVITY INDICATORS 1900-1980 FOR STATE OF KANSAS

SOURCE CATEGORY	1900	1905	1910	1915	1920	1925	1930	1935	1940	1945	1950	1955	1960	1965	1970	1975	1980
BITUMINOUS COAL (1000 TONS)	2305.8	3029.6	3582.2	4163.4	4150.0	4449.8	4074.7	2807.4	2584.7	2767.5	1131.0	962.0	968.0	717.0	1196.0	3333.0	12839.0
ANTHRACITE COAL (1000 TONS)	16.3	22.1	23.8	25.0	25.2	18.8	-1.0	-1.0	-1.0	-1.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
RESIDUAL OIL (1000 BBL)	-3.0	-3.0	-3.0	-3.0	-3.0	2507.6	2387.3	2383.0	3050.0	2541.0	2177.0	2900.0	2061.0	836.0	1231.0	5896.0	1061.0
DISTILLATE OIL (1000 BBL)	-3.0	-3.0	-3.0	-3.0	-3.0	241.9	287.3	377.0	549.0	1207.0	1652.0	1773.0	1364.0	2596.0	1735.0	3753.0	1360.0
NATURAL GAS (10E6 CU. FT.)	-4.0	-4.0	81929.7	48871.5	35456.6	53527.8	75635.0	60244.8	96772.0	186495.0	282069.0	369099.0	375407.0	453742.0	575694.0	498727.0	488338.0
WOOD (1000 TONS)	551.7	524.1	502.0	479.9	457.9	435.8	413.8	397.2	386.2	358.6	331.0	268.0	227.0	195.0	213.0	335.0	457.0
HIGHWAY VEHICLES																	
GASOLINE (1000 GAL)	-1.0	-1.0	-1.0	-1.0	-1.0	195414.0	304490.0	297247.0	349282.0	307523.0	549017.0	695222.0	804524.0	969978.0	-1.0	-1.0	-1.0
DIESEL (1000 GAL)	-1.0	-1.0	-1.0	-1.0	-1.0	-1.0	-1.0	-1.0	-1.0	-1.0	12684.0	16548.0	12012.0	37968.0	117348.0	138642.0	228858.0
VMT (10E6 MILES)	-1.0	-1.0	-1.0	-1.0	-1.0	-1.0	-1.0	-1.0	-1.0	-1.0	-1.0	-1.0	-1.0	-1.0	13366.0	15485.0	17290.0
MISCELLANEOUS																	
RAILROADS-COAL (1000 TONS)	2279.0	2991.4	3348.9	3291.7	3378.2	2716.3	2263.1	1714.7	1798.5	2450.8	1336.0	434.0	91.0	45.0	20.0	0.0	0.0
RAILROADS-OIL (1000 BBL)	-1.0	-1.0	-1.0	-1.0	-1.0	5530.8	5200.1	4262.0	4164.0	8284.0	5231.0	4211.0	2811.0	2573.0	2418.0	2365.0	4887.0
COKE PL (1000 TONS COAL)	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
VES FUEL OIL (1000 BBL)	-1.0	-1.0	-1.0	-1.0	-1.0	-1.0	-1.0	-1.0	5.0	-1.0	0.0	0.0	3.3	1.3	0.3	1.0	0.3
CEMENT PL (1000 TONS)	15.0	-1.0	1063.0	673.0	816.0	1224.0	1130.0	439.0	645.0	565.0	1620.0	1733.0	1503.0	1669.0	1687.0	1835.0	1968.0
POPULATION (1000's)	1470.0	1580.5	1691.0	1730.0	1769.0	1825.0	1881.0	1841.0	1801.0	1853.0	1905.0	2042.0	2179.0	2213.0	2247.0	2281.0	2450.0
FOREST FIRES (1000 ACRES)	-0.0	-0.0	-0.0	-0.0	-0.0	-1.0	-1.0	-1.0	-1.0	-1.0	-1.0	-1.0	-1.0	50.8	35.5	21.7	109.0
CRUDE OIL PROD. (1000 BBL)	75.0	12014.0	1128.0	2823.0	39005.0	38357.0	41638.0	54843.0	66139.0	96415.0	107586.0	121669.0	113453.0	104733.0	84853.0	59106.0	60151.0
CRUDE OIL RUN (1000 BBL)	2914.3	6171.1	9442.9	12876.5	20289.6	34985.9	41137.3	44242.0	49340.0	61076.0	73060.0	103313.0	109104.0	113004.0	134750.0	145773.0	140817.0
OFF-HIGHWAY VEH. (1000 BBL)	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	208.0	233.0	693.0	875.0	1529.0	1818.0	502.0
LAND AREA (1000 SQ.MI.)	81.8																

NOTE:Negative number indicates missing datum;see footnote at end of table

KENTUCKY VOC EMISSIONS (1000 METRIC TONS)

SOURCE CATEGORY	1900	1905	1910	1915	1920	1925	1930	1935	1940	1945	1950	1955	1960	1965	1970	1975	1980	1985
TRANSPORTATION (Total)	5.0	7.5	9.1	11.6	19.5	29.8	42.2	46.7	66.0	65.4	124.8	138.4	165.4	175.9	211.8	178.5	163.4	144.5
Highway Vehicles	0.0	0.1	0.5	2.8	9.8	21.1	34.3	40.2	58.2	52.4	103.4	121.8	149.1	155.9	198.1	157.1	113.6	98.2
Aircraft	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.1	1.1	2.4	3.2	4.2	6.7	4.0	3.1	2.8	2.9
Railroads- Oil-fired	NA	NA	NA	NA	NA	0.1	0.1	0.1	0.2	0.5	0.9	1.7	3.1	3.0	2.3	3.2	6.3	4.5
- Coal-fired	5.0	7.4	3.6	8.8	9.7	8.5	7.7	6.3	7.2	11.1	6.0	1.8	0.3	0.0	0.0	0.0	0.0	0.0
Vessels- Oil-fired	NA	NA	NA	NA	NA	0.0	0.1	0.0	0.0	0.1	0.1	0.6	0.8	1.5	0.2	2.6	5.2	5.4
-Coal-fired	NA	NA	NA	NA	NA	NA	NA	NA	0.3	0.3	0.2	0.2	0.1	0.2	0.3	0.1	0.0	0.0
Other Off-Highway Use	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	12.0	8.9	7.8	8.6	7.0	12.4	35.4	33.5
EXTERNAL FUEL COMBUSTION (Total) . . .	156.8	150.6	144.0	137.2	128.4	119.2	108.3	97.1	88.5	77.0	58.0	44.3	33.4	25.5	19.6	23.2	44.0	53.1
Anthracite Coal	0.0	0.1	0.1	0.1	0.1	0.0	-0.0	-0.0	-0.0	-0.0	0.0	0.0	0.1	0.1	0.0	0.0	0.1	0.1
Bituminous Coal	4.1	6.0	7.2	8.4	8.8	9.8	9.2	7.0	7.3	8.6	5.8	6.0	4.6	3.6	3.1	2.0	1.6	1.9
Residual Oil	NA	NA	NA	NA	NA	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Distillate Oil	NA	NA	NA	NA	NA	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.1	0.1	0.1	0.1	0.1
Natural Gas	NA	NA	0.1	0.2	0.3	0.3	0.1	0.2	0.2	0.3	0.4	0.8	0.9	0.9	1.0	0.9	0.7	0.7
Wood	152.1	144.2	136.3	128.2	119.1	109.0	99.0	90.0	80.9	67.9	51.5	37.2	27.6	20.7	15.2	20.0	41.3	50.3
Coke and Other Fuels	0.5	0.4	0.4	0.3	0.2	0.0	0.0	0.0	0.1	0.2	0.3	0.2	0.2	0.1	0.2	0.2	0.1	0.1
INDUSTRIAL PROCESSES (Total)	4.9	6.6	7.6	9.2	14.0	20.8	26.5	30.0	41.8	52.8	79.9	78.4	87.3	120.9	117.5	114.6	128.4	122.8
Petroleum Refinery Process Operations	0.0	0.5	0.7	0.9	1.5	2.3	2.6	2.6	4.4	5.2	6.6	6.6	9.1	9.4	9.5	11.0	10.8	8.4
Manufacture of Petrochemicals	0.0	0.1	0.1	0.1	0.2	0.2	0.2	0.3	0.3	0.9	1.3	2.4	3.4	5.2	8.7	10.7	12.0	12.2
Petrol. Production- Crude Oil	0.0	0.1	0.0	0.0	0.6	0.4	0.5	0.3	0.3	0.7	0.7	1.0	1.3	1.2	0.7	0.5	0.4	0.4
- Nat.Gas Liquids	0.0	0.0	0.0	0.0	0.1	0.1	0.1	0.1	0.1	0.2	0.2	0.5	0.7	0.8	0.5	0.4	0.3	0.3
Petrol. Marketing - Gasoline	0.0	0.0	0.1	0.4	1.3	2.9	4.4	5.0	6.9	6.5	12.7	12.1	17.9	20.2	27.9	32.5	24.9	23.0
- Other Prod.	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	1.4	2.1	0.9	1.1	2.3	3.3	4.3	3.8
Surface Coating Operations	4.9	5.1	5.3	5.4	5.6	5.8	6.0	6.3	6.6	11.9	17.4	18.0	19.0	18.5	21.8	17.7	31.0	32.7
Misc. Indust. Processes	0.0	0.8	1.3	1.9	3.3	6.0	7.6	9.6	14.7	19.2	26.6	28.0	27.8	59.0	41.6	36.9	43.4	40.6
- Carbon Black Mfg.	0.0	0.0	0.1	0.4	1.4	3.1	5.1	5.9	8.5	8.3	13.1	7.7	7.2	5.6	4.5	1.7	1.4	1.2
SOLID WASTE DISPOSAL (Total)	20.8	20.1	19.4	18.6	17.9	17.6	17.4	17.5	17.5	21.3	21.1	23.4	23.8	27.1	28.5	14.3	10.5	9.5
Incineration	13.3	12.4	11.4	10.5	9.5	8.8	8.3	8.0	7.7	9.0	8.5	7.9	8.0	8.9	8.0	6.7	5.2	4.7
Open Burning	7.4	7.7	7.9	8.2	8.4	8.7	9.1	9.5	9.9	12.3	12.5	15.5	15.8	18.2	20.6	7.6	5.3	4.7
MISCELLANEOUS OTHER SOURCES (Total). .	22.6	23.6	24.5	26.1	26.2	34.4	122.6	29.7	88.3	69.5	60.1	76.1	59.5	51.0	54.9	38.6	80.5	85.3
Wildfires	1.8	1.8	1.8	2.5	1.8	8.8	96.0	1.9	59.0	32.9	22.1	36.4	19.3	11.4	9.9	2.9	46.6	55.6
Prescribed Fires	2.8	2.8	2.8	2.8	2.8	2.8	2.8	2.9	3.4	3.5	4.5	4.1	4.5	3.9	3.4	3.4	3.2	3.3
Other Burning	4.8	5.3	5.8	6.3	6.7	7.3	7.7	8.2	8.3	8.2	8.1	7.8	7.3	5.5	4.4	1.6	1.3	1.2
Organic Solvent Evaporation	13.2	13.7	14.1	14.5	14.9	15.5	16.1	16.8	17.6	24.9	25.3	27.9	28.3	30.1	37.1	30.7	29.4	25.3
TOTAL (ALL SOURCE CATEGORIES)	210.1	208.4	204.6	202.6	206.0	221.7	317.1	221.1	302.0	286.1	343.8	360.7	369.4	400.4	432.3	369.2	426.8	415.2

ACTIVITY INDICATORS 1900-1980 FOR STATE OF KENTUCKY

SOURCE CATEGORY	1900	1905	1910	1915	1920	1925	1930	1935	1940	1945	1950	1955	1960	1965	1970	1975	1980
BITUMINOUS COAL (1000 TONS)	2676.1	3601.7	4372.3	5215.2	5583.0	6447.9	6356.9	5127.0	5982.4	8011.7	5552.0	8674.0	9955.0	15080.0	22081.0	27209.0	27181.0
ANTHRACITE COAL (1000 TONS)	13.1	17.7	19.1	20.0	20.2	15.1	-1.0	-1.0	-1.0	-1.0	0.0	0.0	41.0	61.0	0.0	0.0	95.0
RESIDUAL OIL (1000 BBL)	-3.0	-3.0	-3.0	-3.0	-3.0	365.9	353.0	354.0	565.0	610.0	1042.0	581.0	285.0	504.0	882.0	2625.0	1014.0
DISTILLATE OIL (1000 BBL)	-3.0	-3.0	-3.0	-3.0	-3.0	131.5	153.2	193.0	304.0	734.0	1504.0	1784.0	2946.0	4244.0	5851.0	4801.0	8576.0
NATURAL GAS (10E6 CU. FT.)	-4.0	-4.0	4958.5	7746.0	15297.0	18601.0	15966.0	10877.4	18881.0	26802.0	64580.0	123539.0	155809.0	163658.0	248048.0	207539.0	202284.0
WOOD (1000 TONS)	2906.7	2761.3	2645.1	2528.8	2412.5	2296.3	2180.0	2092.8	2034.7	1889.3	1744.0	1482.0	1303.0	1260.0	1379.0	1792.0	2601.0
HIGHWAY VEHICLES																	
GASOLINE (1000 GAL)	-1.0	-1.0	-1.0	-1.0	-1.0	96482.0	160476.0	193516.0	283830.0	268962.0	544938.0	729753.0	875907.0	1111163.0	-1.0	-1.0	-1.0
DIESEL (1000 GAL)	-1.0	-1.0	-1.0	-1.0	-1.0	-1.0	-1.0	-1.0	-1.0	-1.0	10542.0	12852.0	8820.0	17934.0	80934.0	146244.0	247380.0
VMT (10E6 MILES)	-1.0	-1.0	-1.0	-1.0	-1.0	-1.0	-1.0	-1.0	-1.0	-1.0	-1.0	-1.0	-1.0	-1.0	19960.0	24688.0	25233.0
MISCELLANEOUS																	
RAILROADS-COAL (1000 TONS)	1203.8	1624.2	1881.4	1926.5	2127.4	1866.9	1693.5	1394.8	1608.2	2432.8	1336.0	415.0	85.0	0.0	0.0	0.0	0.0
RAILROADS-OIL (1000 BBL)	-1.0	-1.0	-1.0	-1.0	-1.0	55.8	52.5	43.0	127.0	309.0	518.0	1037.0	1792.0	1743.0	1351.0	1864.0	3691.0
COKE PL (1000 TONS COAL)	835.9	963.7	1177.6	1074.3	851.1	223.6	107.5	207.6	543.7	882.0	1762.0	1902.0	1586.0	1850.0	1591.0	1241.0	746.0
VES FUEL OIL (1000 BBL)	-1.0	-1.0	-1.0	-1.0	-1.0	141.4	167.9	133.0	121.0	183.0	34.0	173.8	138.1	154.6	230.1	199.3	777.5
CEMENT PL (1000 TONS)	-1.0	-1.0	-1.0	-1.0	-1.0	-1.0	-1.0	-1.0	-1.0	-1.0	350.0	457.0	513.0	530.0	166.0	164.0	793.0
POPULATION (1000's)	2147.0	2218.5	2290.0	2353.5	2417.0	2516.0	2615.0	2730.5	2846.0	2895.5	2945.0	2991.5	3038.0	3128.5	3219.0	3468.0	3726.0
FOREST FIRES (1000 ACRES)	13.8	13.8	13.8	19.5	13.8	69.4	756.0	14.7	528.1	259.4	285.3	287.7	155.1	64.8	53.9	19.5	366.0
CRUDE OIL PROD. (1000 BBL)	62.0	1217.0	469.0	437.0	8738.0	6759.0	7389.0	5258.0	5188.0	10325.0	10381.0	15518.0	21147.0	19386.0	11575.0	7556.0	5946.0
CRUDE OIL RUN (1000 BBL)	474.5	1004.7	1537.4	2096.4	3303.3	5696.0	6697.5	7203.0	13100.0	18916.0	25899.0	26408.0	38230.0	44103.0	52590.0	56892.0	54958.0
OFF-HIGHWAY VEH. (1000 BBL	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	410.0	413.0	580.0	811.0	639.0	1196.0	3320.0
LAND AREA (1000 SQ.MI.)	39.6																

NOTE:Negative number indicates missing datum;see footnote at end of table

LOUISIANA VOC EMISSIONS (1000 METRIC TONS)

SOURCE CATEGORY	1900	1905	1910	1915	1920	1925	1930	1935	1940	1945	1950	1955	1960	1965	1970	1975	1980	1985
TRANSPORTATION (Total)	3.5	5.7	7.6	10.9	19.5	39.2	51.2	47.8	62.9	66.3	127.6	166.8	206.3	210.1	208.2	229.4	182.6	167.8
Highway Vehicles	0.0	0.1	0.6	3.2	11.2	24.0	37.1	36.5	51.2	51.6	95.9	121.6	161.8	166.8	167.1	129.4	109.9	95.0
Aircraft	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.9	2.1	3.2	4.5	7.3	4.5	3.4	3.4	3.5
Railroads- Oil-fired	NA	NA	NA	NA	NA	6.8	6.4	5.3	5.6	6.1	3.1	2.1	1.7	1.9	1.6	4.2	3.6	2.6
- Coal-fired	3.5	5.6	7.0	7.7	8.4	6.7	5.6	4.2	4.4	6.1	3.2	1.0	0.2	0.2	0.1	0.0	0.0	0.0
Vessels- Oil-fired	NA	NA	NA	NA	NA	1.6	2.1	1.8	1.7	1.6	3.8	9.3	16.2	22.5	2.8	66.7	53.1	54.8
-Coal-fired	NA	NA	NA	NA	NA	NA	NA	NA	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Other Off-Highway Use	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	19.4	29.5	22.0	11.4	32.0	25.7	12.4	11.8
EXTERNAL FUEL COMBUSTION (Total) . . .	194.5	184.9	175.4	166.2	154.7	143.3	128.1	116.9	105.3	91.1	68.7	62.9	54.2	43.6	34.5	35.5	48.7	56.7
Anthracite Coal	0.0	0.0	0.0	0.0	0.0	0.0	-0.0	-0.0	-0.0	-0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Bituminous Coal	1.1	1.7	2.2	2.7	2.4	2.0	1.5	0.9	0.7	0.6	0.0	0.1	0.0	0.0	0.0	0.0	0.2	0.2
Residual Oil	NA	NA	NA	NA	NA	0.0	0.0	0.0	0.0	0.1	0.0	0.0	0.0	0.0	0.0	0.2	0.4	0.2
Distillate Oil	NA	NA	NA	NA	NA	0.0	0.0	0.0	0.0	0.1	0.1	0.1	0.0	0.0	0.1	0.2	0.1	0.1
Natural Gas	NA	NA	-0.0	0.6	1.0	2.8	0.8	1.7	1.6	4.1	3.2	5.7	6.1	7.1	7.7	7.7	6.4	5.8
Wood	193.3	183.2	173.2	163.0	151.3	138.5	125.8	114.3	102.8	86.3	65.4	57.0	48.1	36.5	26.6	27.5	41.5	50.5
Coke and Other Fuels	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
INDUSTRIAL PROCESSES (Total)	3.4	8.3	10.8	14.6	23.7	34.6	42.2	46.2	59.0	84.5	130.3	159.9	188.2	250.2	288.9	276.4	293.8	270.2
Petroleum Refinery Process Operations	0.2	3.5	5.2	6.9	11.1	17.0	19.0	19.3	19.7	30.8	45.2	60.3	61.2	62.7	65.9	85.1	97.6	76.0
Manufacture of Petrochemicals	0.0	0.1	0.1	0.1	0.1	0.2	0.2	0.2	0.3	0.7	1.1	2.3	3.6	5.7	9.8	12.0	14.4	14.7
Petrol. Production- Crude Oil	0.0	0.6	0.4	1.1	2.3	1.3	1.5	3.2	6.5	8.3	13.2	17.1	24.9	37.6	57.3	41.1	29.6	30.2
- Nat.Gas Liquids	0.0	0.1	0.1	0.2	0.4	0.2	0.3	0.6	1.2	3.0	4.9	9.0	13.1	23.3	40.3	32.7	26.6	27.2
Petrol. Marketing - Gasoline	0.0	0.0	0.1	0.4	1.5	3.3	4.8	4.5	6.1	6.4	11.7	12.0	18.6	21.3	23.6	26.8	24.1	22.3
- Other Prod.	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	2.0	3.5	4.3	1.7	2.6	3.6	4.9	4.4
Surface Coating Operations	3.2	3.5	3.8	4.0	4.2	4.5	4.8	5.1	5.4	10.4	15.9	20.1	25.2	26.9	38.7	32.4	43.0	45.3
Misc. Indust. Processes	0.0	0.6	0.9	1.4	2.5	4.6	6.1	7.9	12.2	16.7	24.2	27.8	29.8	65.1	47.0	41.3	52.2	48.9
- Carbon Black Mfg.	0.0	0.0	0.1	0.5	1.6	3.5	5.5	5.3	7.5	8.1	12.0	7.6	7.5	5.9	3.8	1.4	1.3	1.2
SOLID WASTE DISPOSAL (Total)	13.4	13.7	14.0	13.7	13.3	13.6	14.0	14.3	14.6	18.6	19.2	23.2	25.5	29.9	32.3	16.0	12.7	11.4
Incineration	8.6	8.5	8.3	7.7	7.1	6.9	6.7	6.5	6.4	7.8	7.8	7.8	8.6	9.8	9.0	7.5	6.3	5.7
Open Burning	4.8	5.3	5.7	6.0	6.2	6.8	7.3	7.7	8.2	10.7	11.4	15.4	16.9	20.1	23.3	8.5	6.4	5.7
MISCELLANEOUS OTHER SOURCES (Total). .	233.1	233.8	235.9	203.1	131.4	100.7	235.6	185.6	98.8	114.3	71.0	55.4	59.4	63.0	66.3	46.9	52.1	49.4
Wildfires	216.5	216.5	216.5	182.7	109.9	77.4	211.1	159.9	71.0	79.5	33.6	14.2	15.6	19.1	15.4	6.9	11.6	13.8
Prescribed Fires	3.0	3.0	3.0	3.0	3.1	3.2	3.1	3.1	3.9	3.9	5.1	4.6	5.2	4.5	3.9	3.9	3.6	3.7
Other Burning	5.1	5.0	6.2	6.8	7.4	8.1	8.5	8.9	9.4	9.2	9.2	8.9	8.3	6.2	5.0	1.8	1.5	1.4
Organic Solvent Evaporation	8.5	9.4	10.2	10.6	11.1	12.0	13.0	13.8	14.6	21.7	23.0	27.7	30.4	33.2	42.0	34.4	35.3	30.4
TOTAL (ALL SOURCE CATEGORIES)	447.9	446.5	443.7	408.5	342.7	331.3	471.1	410.8	340.6	374.8	416.7	468.3	533.8	596.8	630.2	604.3	589.8	555.5

ACTIVITY INDICATORS 1900-1980 FOR STATE OF LOUISIANA

SOURCE CATEGORY	1900	1905	1910	1915	1920	1925	1930	1935	1940	1945	1950	1955	1960	1965	1970	1975	1980
BITUMINOUS COAL (1000 TONS)	727.4	1033.4	1324.7	1658.5	1539.4	1295.6	1026.6	663.4	603.8	582.0	0.0	92.0	55.0	53.0	0.0	0.0	2935.0
ANTHRACITE COAL (1000 TONS)	9.8	13.3	14.3	15.0	15.1	11.3	-1.0	-1.0	-1.0	-1.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
RESIDUAL OIL (1000 BBL)	-3.0	-3.0	-3.0	-3.0	-3.0	2122.7	2151.4	2365.0	2181.0	6838.0	1914.0	1330.0	687.0	425.0	2505.0	12735.0	33832.0
DISTILLATE OIL (1000 BBL)	-3.0	-3.0	-3.0	-3.0	-3.0	288.6	383.2	536.0	842.0	2901.0	2384.0	3909.0	3745.0	3401.0	5103.0	9882.0	8636.0
NATURAL GAS (10E6 CU. FT.)	-4.0	-4.0	-4.0	25540.0	49624.8	155121.2	184116.0	119133.4	185109.0	368404.0	536345.0	845133.0	1028640.0	1298524.0	1840840.0	1808588.0	1794007.0
WOOD (1000 TONS)	3693.3	3508.7	3360.9	3213.2	3065.5	2917.7	2770.0	2659.2	2585.3	2400.7	2216.0	2270.0	2267.0	2227.0	2420.0	2463.0	2614.0
HIGHWAY VEHICLES																	
GASOLINE (1000 GAL)	-1.0	-1.0	-1.0	-1.0	-1.0	109686.0	173312.0	175612.0	249757.0	264426.0	499815.0	720562.0	909350.0	1176023.0	-1.0	-1.0	-1.0
DIESEL (1000 GAL)	-1.0	-1.0	-1.0	-1.0	-1.0	-1.0	-1.0	-1.0	-1.0	-1.0	15456.0	20664.0	50316.0	32172.0	93240.0	158508.0	283752.0
VMT (10E6 MILES)	-1.0	-1.0	-1.0	-1.0	-1.0	-1.0	-1.0	-1.0	-1.0	-1.0	-1.0	-1.0	-1.0	-1.0	16838.0	20326.0	24417.0
MISCELLANEOUS																	
RAILROADS-COAL (1000 TONS)	851.9	1228.7	1530.9	1699.4	1839.0	1479.6	1231.9	933.6	979.0	1334.4	727.0	236.0	50.0	24.0	11.0	0.0	0.0
RAILROADS-OIL (1000 BBL)	-1.0	-1.0	-1.0	-1.0	-1.0	5003.9	4704.7	3856.0	3289.0	3962.0	1823.0	1280.0	1006.0	1093.0	948.0	2451.0	2139.0
COKE PL (1000 TONS COAL)	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
VES FUEL OIL (1000 BBL)	-1.0	-1.0	-1.0	-1.0	-1.0	5335.8	6334.6	5019.0	4766.0	2970.0	2318.8	2670.0	2774.1	2264.1	2991.8	5049.8	7888.6
CEMENT PL (1000 TONS)	0.0	0.0	0.0	0.0	0.0	0.0	-1.0	-1.0	-1.0	-1.0	327.0	637.0	937.0	1163.0	1018.0	1050.0	1308.0
POPULATION (1000's)	1382.0	1519.0	1656.0	1727.5	1799.0	1950.5	2102.0	2233.0	2364.0	2524.0	2684.0	2970.5	3257.0	3449.0	3641.0	3886.0	4481.0
FOREST FIRES (1000 ACRES)	1704.5	1704.5	1704.5	1438.3	865.0	609.2	1662.0	1259.0	635.4	626.2	433.4	112.3	125.3	108.1	83.9	45.8	91.0
CRUDE OIL PROD. (1000 BBL)	0.0	8910.0	6841.0	18192.0	35714.0	20272.0	23272.0	50330.0	103584.0	131051.0	208965.0	271010.0	400832.0	594853.0	906907.0	650840.0	469141.0
CRUDE OIL RUN (1000 BBL)	3492.6	7395.7	11316.7	15431.6	24315.7	41928.1	49300.3	53021.0	58613.0	111304.0	177220.0	240120.0	258146.0	293597.0	364861.0	440479.0	497674.0
OFF-HIGHWAY VEH. (1000 BBL	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	665.0	1365.0	1646.0	1068.0	2935.0	2471.0	1168.0
LAND AREA (1000 SQ.MI.)	44.9																

NOTE:Negative number indicates missing datum;see footnote at end of table

MAINE VOC EMISSIONS (1000 METRIC TONS)

SOURCE CATEGORY	1900	1905	1910	1915	1920	1925	1930	1935	1940	1945	1950	1955	1960	1965	1970	1975	1980	1985
TRANSPORTATION (Total)	1.9	3.3	4.7	6.9	11.7	17.3	26.3	27.3	34.4	30.6	46.6	51.4	61.6	60.2	65.1	50.6	37.2	32.4
Highway Vehicles	0.0	0.0	0.3	1.6	5.8	12.4	22.0	24.0	30.7	24.5	40.6	46.6	57.1	55.3	60.6	44.0	33.6	29.0
Aircraft	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.3	0.7	1.0	1.3	2.1	1.2	0.9	0.9	0.9
Railroads- Oil-fired	NA	NA	NA	NA	NA	0.0	0.0	0.0	0.0	0.1	0.5	0.9	0.7	0.5	0.7	0.5	0.3	0.2
- Coal-fired	1.9	3.3	4.4	5.2	5.9	4.9	4.2	3.3	3.6	5.5	2.3	0.5	0.0	0.0	0.0	0.0	0.0	0.0
Vessels- Oil-fired	NA	NA	NA	NA	NA	0.0	0.0	0.0	0.0	0.2	0.1	0.4	0.8	1.2	0.3	3.2	0.4	0.4
-Coal-fired	NA	NA	NA	NA	NA	NA	NA	NA	0.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Other Off-Highway Use	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	2.3	2.0	1.6	1.1	2.2	2.0	1.9	1.8
EXTERNAL FUEL COMBUSTION (Total) . . .	156.9	150.9	143.8	136.5	127.4	115.6	103.9	93.5	84.2	71.5	52.1	44.0	36.7	29.1	19.2	21.5	45.7	55.4
Anthracite Coal	4.2	5.5	5.8	6.0	6.0	4.4	3.0	2.2	1.9	2.2	0.6	0.4	0.6	0.2	0.0	0.0	0.0	0.0
Bituminous Coal	0.8	1.4	1.9	2.4	2.5	2.4	1.9	1.4	1.4	1.4	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Residual Oil	NA	NA	NA	NA	NA	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.1	0.1	0.1	0.1	0.1	0.0
Distillate Oil	NA	NA	NA	NA	NA	0.0	0.0	0.0	0.0	0.0	0.1	0.1	0.1	0.1	0.2	0.2	0.1	0.1
Natural Gas	NA	NA	-0.0	-0.0	-0.0	-0.0	-0.0	-0.0	-0.0	-0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Wood	151.9	143.9	136.1	128.0	118.9	108.8	98.9	89.8	80.8	67.8	51.4	43.5	35.9	28.6	18.9	21.2	45.4	55.2
Coke and Other Fuels	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
INDUSTRIAL PROCESSES (Total)	1.6	2.0	2.3	2.8	4.5	7.2	10.3	11.3	14.5	16.6	25.5	24.7	27.2	37.6	39.6	34.5	36.8	35.8
Petroleum Refinery Process Operations	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Manufacture of Petrochemicals	0.0	0.0	0.0	0.0	0.1	0.1	0.1	0.1	0.1	0.3	0.4	0.7	1.1	1.6	2.7	3.3	3.7	3.8
Petrol. Production- Crude Oil	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
- Nat.Gas Liquids	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Petrol. Marketing - Gasoline	0.0	0.0	0.0	0.2	0.8	1.7	2.8	3.0	3.6	3.0	5.0	4.7	6.9	7.0	8.5	9.1	7.4	6.8
- Other Prod.	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	0.7	1.0	1.0	1.1	1.0	1.1	1.1	1.0
Surface Coating Operations	1.6	1.7	1.7	1.7	1.8	1.8	1.8	1.9	1.9	3.6	6.0	6.5	6.6	7.4	13.1	9.1	10.6	11.2
Misc. Indust. Processes	0.0	0.3	0.4	0.6	1.1	1.9	2.3	2.9	4.4	5.8	8.2	8.8	8.9	18.5	12.8	11.4	13.6	12.7
- Carbon Black Mfg.	0.0	0.0	0.0	0.2	0.8	1.8	3.3	3.5	4.5	3.9	5.2	3.0	2.8	1.9	1.4	0.5	0.4	0.4
SOLID WASTE DISPOSAL (Total)	6.7	6.5	6.3	6.0	5.7	5.5	5.3	5.3	5.2	6.5	6.5	7.4	7.6	8.5	8.8	4.4	3.3	3.8
Incineration	4.3	4.0	3.7	3.4	3.0	2.8	2.5	2.4	2.3	2.7	2.6	2.5	2.6	2.8	2.5	2.1	1.6	1.5
Open Burning	2.4	2.5	2.6	2.6	2.7	2.7	2.8	2.9	2.9	3.7	3.9	4.9	5.0	5.7	6.3	2.4	1.7	1.5
MISCELLANEOUS OTHER SOURCES (Total). .	12.1	13.8	13.2	13.2	17.5	13.2	17.6	16.0	15.0	17.4	19.2	18.4	18.7	19.7	17.8	13.7	13.0	11.8
Wildfires	1.8	1.8	1.8	1.5	5.4	0.5	4.3	2.4	0.5	0.6	1.4	0.2	0.3	2.9	0.2	0.3	0.3	0.3
Prescribed Fires	2.2	2.2	2.2	2.2	2.2	2.2	2.2	2.2	2.7	2.8	3.6	3.2	3.6	3.1	2.7	2.7	2.5	2.6
Other Burning	3.8	5.3	4.6	4.9	5.2	5.7	6.2	6.4	6.6	6.5	6.4	6.1	5.7	4.3	3.5	1.2	1.0	1.0
Organic Solvent Evaporation	4.3	4.4	4.6	4.7	4.7	4.8	4.9	5.1	5.2	7.6	7.8	8.8	9.0	9.4	11.4	9.5	9.2	7.9
TOTAL (ALL SOURCE CATEGORIES)	179.2	176.4	170.2	165.4	166.7	158.8	163.4	153.4	153.4	142.6	150.0	145.8	151.7	155.1	150.4	124.8	135.9	138.4

ACTIVITY INDICATORS 1900-1980 FOR STATE OF MAINE

SOURCE CATEGORY	1900	1905	1910	1915	1920	1925	1930	1935	1940	1945	1950	1955	1960	1965	1970	1975	1980
BITUMINOUS COAL (1000 TONS)	554.2	848.2	1157.1	1522.7	1595.3	1579.0	1342.3	1015.4	1125.2	1336.2	9.0	15.0	38.0	169.0	31.0	29.0	130.0
ANTHRACITE COAL (1000 TONS)	1284.2	1739.6	1876.3	1967.0	1984.4	1481.9	515.7	389.7	648.4	695.3	239.0	150.0	221.0	93.0	13.0	3.0	15.0
RESIDUAL OIL (1000 BBL)	-3.0	-3.0	-3.0	-3.0	-3.0	1461.5	1369.2	1349.0	1397.0	1233.0	3118.0	3540.0	4902.0	5836.0	10308.0	8941.0	8166.0
DISTILLATE OIL (1000 BBL)	-3.0	-3.0	-3.0	-3.0	-3.0	434.7	690.3	1073.0	1659.0	1499.0	3208.0	3596.0	8319.0	9969.0	12171.0	10866.0	9132.0
NATURAL GAS (10E6 CU. FT.)	-4.0	-4.0	-2.0	-2.0	-1.0	-1.0	-1.0	-1.0	-1.0	-1.0	0.0	0.0	0.0	0.0	2218.0	2452.0	2268.0
WOOD (1000 TONS)	2901.7	2756.6	2640.5	2524.4	2408.4	2292.3	2176.3	2089.2	2031.2	1886.1	1741.0	1730.0	1696.0	1747.0	1714.0	1901.0	2858.0
HIGHWAY VEHICLES																	
GASOLINE (1000 GAL)	-1.0	-1.0	-1.0	-1.0	-1.0	56621.0	103004.0	115471.0	150002.0	125621.0	215441.0	280749.0	335221.0	387982.0	-1.0	-1.0	-1.0
DIESEL (1000 GAL)	-1.0	-1.0	-1.0	-1.0	-1.0	-1.0	-1.0	-1.0	-1.0	-1.0	2856.0	3444.0	3738.0	12726.0	27846.0	38136.0	56658.0
VMT (10E6 MILES)	-1.0	-1.0	-1.0	-1.0	-1.0	-1.0	-1.0	-1.0	-1.0	-1.0	-1.0	-1.0	-1.0	-1.0	6108.0	6916.0	7465.0
MISCELLANEOUS																	
RAILROADS-COAL (1000 TONS)	459.7	717.6	961.4	1144.6	1296.4	1074.4	924.2	722.9	808.9	1203.6	519.0	105.0	13.0	0.0	0.0	0.0	0.0
RAILROADS-OIL (1000 BBL)	-1.0	-1.0	-1.0	-1.0	-1.0	7.8	7.3	6.0	9.0	43.0	317.0	561.0	383.0	285.0	392.0	305.0	189.0
COKE PL (1000 TONS COAL)	27.4	36.6	52.1	56.6	82.0	94.3	111.0	90.4	162.8	210.7	0.0	0.0	0.0	0.0	0.0	0.0	0.0
VES FUEL OIL (1000 BBL)	-1.0	-1.0	-1.0	-1.0	-1.0	23.4	27.8	22.0	29.0	356.0	46.3	107.8	143.0	120.3	353.8	241.6	57.8
CEMENT PL (1000 TONS)	0.0	0.0	0.0	0.0	0.0	0.0	-1.0	-1.0	-1.0	-1.0	147.0	208.0	209.0	307.0	431.0	304.0	304.0
POPULATION (1000's)	694.0	718.0	742.0	755.0	768.0	782.5	797.0	822.0	847.0	880.5	914.0	941.5	969.0	980.5	992.0	1072.0	1164.0
FOREST FIRES (1000 ACRES)	14.5	14.5	14.5	11.6	42.4	3.6	33.6	18.7	4.2	5.0	18.0	1.8	2.8	16.5	1.0	2.0	2.3
CRUDE OIL PROD. (1000 BBL)	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
CRUDE OIL RUN (1000 BBL)	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
OFF-HIGHWAY VEH. (1000 BBL	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	80.0	91.0	117.0	105.0	203.0	189.0	183.0
LAND AREA (1000 SQ.MI.)	30.9																

NOTE:Negative number indicates missing datum;see footnote at end of table

MARYLAND VOC EMISSIONS (1000 METRIC TONS)

SOURCE CATEGORY	1900	1905	1910	1915	1920	1925	1930	1935	1940	1945	1950	1955	1960	1965	1970	1975	1980	1985
TRANSPORTATION (Total)	4.1	6.2	7.6	10.3	18.5	30.6	45.5	49.6	67.9	65.6	108.2	135.0	173.2	197.6	219.3	182.6	148.9	131.0
Highway Vehicles	0.0	0.1	0.6	3.0	10.4	22.5	37.8	43.2	60.3	51.9	93.6	119.4	158.0	173.8	203.4	160.3	128.7	111.2
Aircraft	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.8	1.9	2.9	4.3	7.5	4.8	3.7	3.3	3.5
Railroads- Oil-fired	NA	NA	NA	NA	NA	0.1	0.1	0.1	0.2	0.4	1.1	1.9	1.9	2.9	2.8	2.2	1.4	1.0
- Coal-fired	4.0	6.1	7.1	7.3	8.1	7.1	6.4	5.3	6.0	9.2	5.0	1.5	0.2	0.0	0.0	0.0	0.0	0.0
Vessels- Oil-fired	NA	NA	NA	NA	NA	0.9	1.2	1.0	1.3	3.1	2.2	4.8	5.8	7.9	0.9	8.8	8.4	8.7
-Coal-fired	NA	NA	NA	NA	NA	NA	NA	NA	0.2	0.2	0.1	0.1	0.1	0.1	0.1	0.0	0.0	0.0
Other Off-Highway Use	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	4.3	4.3	2.9	5.5	7.2	7.7	7.0	6.6
EXTERNAL FUEL COMBUSTION (Total) . . .	134.6	129.8	124.0	117.9	109.8	100.0	91.0	82.1	75.1	66.0	48.6	40.0	33.1	29.2	23.1	22.6	44.3	53.3
Anthracite Coal	2.7	3.6	3.8	3.9	3.9	2.8	2.6	2.0	1.7	2.5	1.3	1.0	0.8	0.5	0.2	0.0	0.0	0.0
Bituminous Coal	2.6	3.8	4.4	5.0	4.8	4.4	4.0	3.3	3.9	4.9	2.9	2.0	1.9	1.8	1.0	0.3	0.4	0.5
Residual Oil	NA	NA	NA	NA	NA	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.2	0.1	0.2	0.3	0.1	0.1
Distillate Oil	NA	NA	NA	NA	NA	0.0	0.0	0.0	0.0	0.0	0.1	0.1	0.1	0.2	0.2	0.3	0.2	0.2
Natural Gas	NA	NA	-0.0	-0.0	0.0	-0.0	-0.0	0.1	0.1	0.1	0.1	0.3	0.4	0.5	0.6	0.6	0.6	0.5
Wood	129.0	122.3	115.6	108.8	101.0	92.4	84.0	76.3	68.6	57.6	43.7	36.1	29.4	25.8	20.3	20.6	42.5	51.7
Coke and Other Fuels	0.3	0.2	0.2	0.2	0.2	0.3	0.3	0.3	0.7	0.7	0.5	0.5	0.4	0.2	0.5	0.5	0.4	0.4
INDUSTRIAL PROCESSES (Total)	2.8	4.2	5.1	6.7	10.8	17.4	23.3	26.1	34.1	43.2	70.4	73.9	89.1	133.0	145.1	131.4	143.5	140.2
Petroleum Refinery Process Operations	0.0	0.8	1.2	1.5	2.5	3.8	4.2	4.3	4.4	5.6	5.0	4.9	1.3	0.9	0.8	1.0	1.0	0.8
Manufacture of Petrochemicals	0.0	0.0	0.1	0.1	0.1	0.1	0.2	0.2	0.2	0.6	1.0	2.1	3.4	5.8	10.6	12.8	14.1	14.4
Petrol. Production- Crude Oil	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
- Nat.Gas Liquids	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Petrol. Marketing - Gasoline	0.0	0.0	0.1	0.4	1.4	3.1	4.9	5.4	7.2	6.4	11.6	11.9	18.7	21.5	28.7	33.2	28.3	26.1
- Other Prod.	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	1.1	2.1	3.1	4.1	2.4	2.6	3.0	2.7
Surface Coating Operations	2.7	2.9	3.0	3.2	3.3	3.6	3.8	4.0	4.2	8.5	18.7	19.9	26.8	28.4	47.4	36.1	44.5	46.9
Misc. Indust. Processes	0.0	0.5	0.7	1.1	2.0	3.7	4.8	6.1	9.4	13.8	21.1	25.4	28.4	66.3	50.6	44.0	51.1	47.9
- Carbon Black Mfg.	0.0	0.0	0.1	0.4	1.5	3.3	5.6	6.3	8.8	8.2	11.9	7.6	7.5	5.9	4.6	1.8	1.5	1.4
SOLID WASTE DISPOSAL (Total)	11.5	11.2	11.0	10.9	10.7	10.8	10.8	11.1	11.2	15.3	16.8	21.3	24.3	30.4	34.8	17.0	12.4	11.2
Incineration	7.4	6.9	6.5	6.1	5.7	5.4	5.2	5.1	4.9	6.5	6.8	7.2	8.2	9.9	9.7	8.0	6.2	5.6
Open Burning	4.1	4.3	4.5	4.8	5.0	5.3	5.7	6.0	6.3	8.9	10.0	14.1	16.1	20.5	25.1	9.1	6.3	5.6
MISCELLANEOUS OTHER SOURCES (Total). .	11.8	16.3	12.7	13.0	14.1	16.4	25.7	14.7	16.2	21.7	23.6	28.6	32.1	36.5	47.4	38.1	37.8	33.4
Wildfires	2.6	2.6	2.6	2.2	2.8	4.3	13.0	1.3	2.0	0.9	0.2	0.2	0.2	0.3	0.2	0.3	2.1	2.5
Prescribed Fires	0.7	0.7	0.7	0.7	0.7	0.7	0.7	0.7	0.9	0.9	1.1	1.0	1.1	1.0	0.9	0.9	0.8	0.8
Other Burning	1.2	5.3	1.5	1.6	1.7	1.8	2.0	2.0	2.1	2.1	2.1	2.0	1.8	1.4	1.1	0.4	0.3	0.3
Organic Solvent Evaporation	7.3	7.6	8.0	8.5	8.9	9.5	10.1	10.6	11.2	17.9	20.1	25.4	28.9	33.8	45.2	36.6	34.6	29.8
TOTAL (ALL SOURCE CATEGORIES)	164.7	167.6	160.4	158.6	164.0	175.1	196.4	183.5	204.6	211.8	267.5	298.9	351.8	426.8	469.7	391.7	387.1	369.1

ACTIVITY INDICATORS 1900-1980 FOR STATE OF MARYLAND

SOURCE CATEGORY	1900	1905	1910	1915	1920	1925	1930	1935	1940	1945	1950	1955	1960	1965	1970	1975	1980
BITUMINOUS COAL (1000 TONS)	1688.6	2253.1	2704.2	3135.4	3039.5	2898.4	2729.2	2445.5	3210.0	4542.2	2774.0	2890.0	4139.0	7383.0	7165.0	4287.0	7374.0
ANTHRACITE COAL (1000 TONS)	829.1	1123.2	1211.4	1270.0	1281.2	956.8	453.9	343.0	570.7	784.9	542.0	367.0	271.0	247.0	97.0	12.0	10.0
RESIDUAL OIL (1000 BBL)	-3.0	-3.0	-3.0	-3.0	-3.0	4873.2	4620.9	4608.0	5355.0	6854.0	7837.0	7876.0	12648.0	10001.0	18664.0	23081.0	11580.0
DISTILLATE OIL (1000 BBL)	-3.0	-3.0	-3.0	-3.0	-3.0	313.9	426.5	603.0	811.0	1796.0	2038.0	3053.0	12698.0	14788.0	17437.0	16941.0	16505.0
NATURAL GAS (10E6 CU. FT.)	-4.0	-4.0	-2.0	-2.0	568.0	-2.0	-3.0	6746.0	11504.0	11258.0	13817.0	42654.0	67222.0	97412.0	144454.0	129504.0	160244.0
WOOD (1000 TONS)	2465.0	2341.8	2243.1	2144.5	2045.9	1947.3	1848.8	1774.8	1725.5	1602.3	1479.0	1435.0	1386.0	1575.0	1847.0	1848.0	2676.0
HIGHWAY VEHICLES																	
GASOLINE (1000 GAL)	-1.0	-1.0	-1.0	-1.0	-1.0	102590.0	176564.0	207692.0	294208.0	266407.0	494777.0	716507.0	911502.0	1187527.0	-1.0	-1.0	-1.0
DIESEL (1000 GAL)	-1.0	-1.0	-1.0	-1.0	-1.0	-1.0	-1.0	-1.0	-1.0	-1.0	8148.0	11298.0	25662.0	70980.0	75390.0	102690.0	163422.0
VMT (10E6 MILES)	-1.0	-1.0	-1.0	-1.0	-1.0	-1.0	-1.0	-1.0	-1.0	-1.0	-1.0	-1.0	-1.0	-1.0	20492.0	25186.0	28585.0
MISCELLANEOUS																	
RAILROADS-COAL (1000 TONS)	981.2	1332.4	1552.8	1603.9	1776.2	1558.9	1414.3	1165.0	1343.8	2032.5	1117.0	347.0	71.0	0.0	0.0	0.0	0.0
RAILROADS-OIL (1000 BBL)	-1.0	-1.0	-1.0	-1.0	-1.0	72.7	68.3	56.0	102.0	246.0	642.0	1158.0	1130.0	1706.0	1657.0	1269.0	833.0
COKE PL (1000 TONS COAL)	444.8	515.6	634.5	583.8	932.3	1268.0	1590.9	1343.7	2475.8	3263.8	3301.0	4479.0	3195.0	4939.0	5037.0	3574.0	2608.0
VES FUEL OIL (1000 BBL)	-1.0	-1.0	-1.0	-1.0	-1.0	3023.5	3589.5	2844.0	3534.0	5807.0	1358.5	1380.3	993.5	793.8	975.3	664.0	1254.0
CEMENT PL (1000 TONS)	0.0	0.0	-1.0	-1.0	-1.0	-1.0	-1.0	-1.0	-1.0	-1.0	606.0	700.0	1112.0	1274.0	1438.0	1228.0	1427.0
POPULATION (1000's)	1188.0	1241.5	1295.0	1372.5	1450.0	1541.0	1632.0	1726.5	1821.0	2082.0	2343.0	2722.0	3101.0	3511.5	3922.0	4139.0	4392.0
FOREST FIRES (1000 ACRES)	20.4	20.4	20.4	17.6	22.1	34.1	102.3	10.3	17.8	7.2	3.0	1.9	1.8	1.9	1.2	1.7	16.3
CRUDE OIL PROD. (1000 BBL)	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
CRUDE OIL RUN (1000 BBL)	773.6	1638.1	2506.6	3418.1	5385.9	9287.0	10919.9	11744.0	13024.0	20362.0	19573.0	19347.0	5369.0	4202.0	4517.0	4930.0	5091.0
OFF-HIGHWAY VEH. (1000 BBL	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	148.0	201.0	220.0	516.0	659.0	736.0	658.0
LAND AREA (1000 SQ.MI.)	9.9																

NOTE:Negative number indicates missing datum;see footnote at end of table

MASSACHUSETTS VOC EMISSIONS (1000 METRIC TONS)

SOURCE CATEGORY	1900	1905	1910	1915	1920	1925	1930	1935	1940	1945	1950	1955	1960	1965	1970	1975	1980	1985
TRANSPORTATION (Total)	6.8	10.2	13.2	21.9	49.9	92.7	122.3	126.8	154.8	119.0	194.4	210.9	258.4	262.9	271.3	196.9	168.7	146.9
Highway Vehicles	0.0	0.3	2.1	11.0	38.4	82.5	113.3	121.6	146.7	104.0	177.0	196.6	246.3	244.7	258.8	185.2	159.3	137.7
Aircraft	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.1	0.1	1.7	3.7	5.3	7.1	11.5	7.0	5.1	4.4	4.6
Railroads- Oil-fired	NA	NA	NA	NA	NA	0.0	0.0	0.0	0.1	0.5	1.7	2.3	1.2	1.3	0.7	0.9	0.5	0.3
- Coal-fired	6.8	9.8	11.1	10.9	11.5	9.5	8.2	6.4	7.0	10.6	4.5	0.9	0.1	0.0	0.0	0.0	0.0	0.0
Vessels- Oil-fired	NA	NA	NA	NA	NA	0.6	0.8	0.[illegible]	0.6	2.0	0.7	0.9	1.6	2.3	0.5	3.4	1.8	1.8
-Coal-fired	NA	NA	NA	NA	NA	NA	NA	NA	0.3	0.2	0.1	0.1	0.1	0.1	0.0	0.0	0.0	0.0
Other Off-Highway Use	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	6.7	4.8	2.0	3.1	4.3	2.3	2.7	2.5
EXTERNAL FUEL COMBUSTION (Total) . . .	217.6	211.2	202.4	192.9	180.2	164.9	147.8	131.6	119.1	102.0	76.6	67.3	56.7	49.8	39.1	34.3	68.5	82.3
Anthracite Coal	4.2	5.5	5.8	6.0	6.0	4.4	3.0	2.2	1.9	2.2	4.6	2.4	0.7	0.2	0.1	0.0	0.1	0.1
Bituminous Coal	7.2	10.2	11.8	13.0	12.8	12.6	10.2	7.1	6.9	7.2	1.4	1.9	1.8	1.1	0.1	0.0	0.0	0.0
Residual Oil	NA	NA	NA	NA	NA	0.1	0.1	0.1	0.1	0.1	0.3	0.3	0.5	0.6	1.0	0.8	0.7	0.3
Distillate Oil	NA	NA	NA	NA	NA	0.1	0.1	0.3	0.4	0.3	0.4	0.3	0.6	0.7	0.8	1.0	0.5	0.4
Natural Gas	NA	NA	-0.0	-0.0	-0.0	-0.0	-0.0	-0.0	-0.0	-0.0	0.0	0.4	0.5	0.6	0.5	0.7	0.7	0.6
Wood	206.1	195.3	184.7	173.8	161.3	147.7	134.2	121.9	109.6	92.0	69.8	61.9	52.7	46.4	36.6	31.7	66.6	81.0
Coke and Other Fuels	0.2	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.2	0.2	0.2	0.1	0.0	0.0	0.0	0.0	0.0	0.0
INDUSTRIAL PROCESSES (Total)	6.6	9.4	11.8	16.2	28.2	47.0	58.9	63.2	77.7	84.4	113.9	110.5	134.2	178.0	169.0	148.4	155.4	149.8
Petroleum Refinery Process Operations	0.0	0.9	1.4	1.8	2.9	4.4	4.9	5.0	6.1	5.4	2.5	3.9	12.7	0.0	0.0	0.0	0.0	0.0
Manufacture of Petrochemicals	0.0	0.1	0.1	0.2	0.3	0.4	0.4	0.4	0.5	1.3	2.0	3.9	5.7	8.9	15.4	17.8	18.7	19.1
Petrol. Production- Crude Oil	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
- Nat.Gas Liquids	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Petrol. Marketing - Gasoline	0.0	0.0	0.3	1.5	5.3	11.3	14.6	15.1	17.4	12.9	21.9	19.6	29.4	31.3	36.5	38.3	35.0	32.3
- Other Prod.	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	3.1	4.2	6.1	5.1	4.2	3.6	3.6	3.2
Surface Coating Operations	6.5	7.1	7.8	8.3	8.9	9.4	9.8	9.9	10.0	18.6	19.4	20.3	21.3	21.8	33.6	25.4	28.5	30.0
Misc. Indust. Processes	0.0	1.2	1.9	2.8	5.3	9.6	12.4	15.1	22.3	29.8	42.3	46.0	47.1	102.3	73.4	61.2	67.8	63.5
- Carbon Black Mfg.	0.0	0.0	0.3	1.6	5.6	11.9	16.7	17.7	21.4	16.4	22.6	12.5	11.9	8.6	5.9	2.0	1.9	1.7
SOLID WASTE DISPOSAL (Total)	27.1	27.9	28.5	28.6	28.5	28.3	28.2	27.4	26.6	33.2	33.6	38.5	40.3	47.0	50.4	23.7	16.5	14.8
Incineration	17.4	17.2	16.8	16.0	15.1	14.2	13.5	12.6	11.6	14.0	13.6	12.9	13.6	15.4	14.1	11.1	8.2	7.4
Open Burning	9.7	10.7	11.7	12.5	13.4	14.1	14.7	14.9	15.0	19.2	20.0	25.5	26.7	31.6	36.4	12.6	8.3	7.4
MISCELLANEOUS OTHER SOURCES (Total). .	21.6	27.7	25.2	26.1	27.4	29.7	37.6	31.8	30.9	42.2	43.6	49.4	51.0	57.0	68.3	53.2	48.2	42.1
Wildfires	2.8	2.8	2.8	2.1	1.8	2.7	9.3	3.2	1.9	1.2	0.8	1.2	0.6	2.9	1.2	1.3	1.4	1.7
Prescribed Fires	0.6	0.6	0.6	0.6	0.6	0.6	0.6	0.6	0.7	0.7	0.9	0.8	0.9	0.8	0.7	0.7	0.6	0.6
Other Burning	0.9	5.3	1.1	1.2	1.3	1.4	1.5	1.6	1.7	1.6	1.6	1.5	1.4	1.1	0.9	0.3	0.3	0.2
Organic Solvent Evaporation	17.3	19.0	20.7	22.2	23.7	25.0	26.2	26.4	26.6	38.7	40.3	45.9	48.0	52.2	65.6	51.0	45.9	39.5
TOTAL (ALL SOURCE CATEGORIES)	279.7	286.4	281.1	285.7	314.1	362.5	394.8	382.8	409.1	380.8	462.0	476.6	540.7	594.6	598.1	456.6	457.3	436.0

ACTIVITY INDICATORS 1900-1980 FOR STATE OF MASSACHUSETTS

SOURCE CATEGORY	1900	1905	1910	1915	1920	1925	1930	1935	1940	1945	1950	1955	1960	1965	1970	1975	1980
BITUMINOUS COAL (1000 TONS)	4692.5	6137.8	7185.5	8103.2	8116.7	8300.6	7055.4	5216.4	5686.8	6709.7	1307.0	2767.0	3897.0	4746.0	608.0	390.0	510.0
ANTHRACITE COAL (1000 TONS)	1284.2	1739.6	1876.3	1967.0	1984.4	1481.9	515.7	389.7	648.4	695.3	1917.0	933.0	235.0	99.0	46.0	14.0	63.0
RESIDUAL OIL (1000 BBL)	-3.0	-3.0	-3.0	-3.0	-3.0	8416.3	7898.0	7814.0	8373.0	7294.0	21822.0	20831.0	37716.0	50841.0	84245.0	66229.0	51809.0
DISTILLATE OIL (1000 BBL)	-3.0	-3.0	-3.0	-3.0	-3.0	4335.1	6655.0	10159.0	13675.0	12133.0	15285.0	12623.0	53923.0	57005.0	57203.0	53288.0	32348.0
NATURAL GAS (10E6 CU. FT.)	-4.0	-4.0	-2.0	-2.0	-1.0	-1.0	-1.0	-1.0	-1.0	-1.0	0.0	52464.0	80026.0	115261.0	117330.0	153967.0	182587.0
WOOD (1000 TONS)	3938.3	3741.4	3583.9	3426.3	3268.8	3111.3	2953.8	2835.6	2756.8	2559.9	2363.0	2465.0	2487.0	2831.0	3322.0	2848.0	4192.0
HIGHWAY VEHICLES																	
GASOLINE (1000 GAL)	-1.0	-1.0	-1.0	-1.0	-1.0	376867.0	529427.0	585035.0	716216.0	533480.0	938785.0	1181250.0	1438336.0	1723648.0	-1.0	-1.0	-1.0
DIESEL (1000 GAL)	-1.0	-1.0	-1.0	-1.0	-1.0	-1.0	-1.0	-1.0	-1.0	-1.0	12600.0	16716.0	22974.0	48930.0	105672.0	115878.0	182532.0
VMT (10E6 MILES)	-1.0	-1.0	-1.0	-1.0	-1.0	-1.0	-1.0	-1.0	-1.0	-1.0	-1.0	-1.0	-1.0	-1.0	26072.0	29100.0	35390.0
MISCELLANEOUS																	
RAILROADS-COAL (1000 TONS)	1642.1	2162.8	2432.4	2404.0	2518.6	2088.4	1795.4	1405.1	1572.0	2337.8	1008.0	205.0	25.0	0.0	0.0	0.0	0.0
RAILROADS-OIL (1000 BBL)	-1.0	-1.0	-1.0	-1.0	-1.0	33.7	31.7	26.0	54.0	294.0	1004.0	1388.0	730.0	736.0	406.0	511.0	280.0
COKE PL (1000 TONS COAL)	268.0	302.8	359.2	314.3	423.6	505.1	543.8	384.9	606.3	694.1	1194.0	779.0	89.0	0.0	0.0	0.0	0.0
VES FUEL OIL (1000 BBL)	-1.0	-1.0	-1.0	-1.0	-1.0	1966.8	2334.9	1850.0	1628.0	3778.0	393.5	267.1	265.6	228.6	518.1	259.1	260.8
CEMENT PL (1000 TONS)	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
POPULATION (1000's)	2805.0	3085.5	3366.0	3609.0	3852.0	4051.0	4250.0	4283.5	4317.0	4504.0	4691.0	4920.0	5149.0	5419.0	5689.0	5758.0	5822.0
FOREST FIRES (1000 ACRES)	22.1	22.1	22.1	16.2	14.5	21.2	73.0	25.3	16.9	9.4	10.0	9.2	5.1	16.6	6.4	8.5	11.2
CRUDE OIL PROD. (1000 BBL)	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
CRUDE OIL RUN (1000 BBL)	903.9	1914.0	2928.8	3993.7	6293.0	10851.1	12759.1	13722.0	18097.0	19411.0	9977.0	15692.0	53556.0	0.0	0.0	0.0	0.0
OFF-HIGHWAY VEH. (1000 BBL	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	230.0	224.0	152.0	289.0	390.0	220.0	250.0
LAND AREA (1000 SQ.MI.)	7.8																

NOTE:Negative number indicates missing datum;see footnote at end of table

MICHIGAN VOC EMISSIONS (1000 METRIC TONS)

SOURCE CATEGORY	1900	1905	1910	1915	1920	1925	1930	1935	1940	1945	1950	1955	1960	1965	1970	1975	1980	1985
TRANSPORTATION (Total)	4.8	8.9	14.3	27.3	61.7	111.0	169.3	172.5	237.0	197.2	333.8	391.6	461.8	499.2	562.6	401.0	297.2	258.2
Highway Vehicles	0.0	0.4	2.5	12.9	45.2	97.2	157.3	163.1	225.8	178.4	314.5	370.8	437.1	457.2	527.2	370.3	279.4	241.4
Aircraft	0.0	0.0	0.0	0.0	0.0	0.0	0.1	0.1	0.1	2.2	5.1	7.7	10.7	17.8	10.9	8.0	6.9	7.1
Railroads- Oil-fired	NA	NA	NA	NA	NA	0.1	0.1	0.1	0.1	0.5	1.7	2.6	3.1	2.7	2.8	4.1	3.6	2.6
- Coal-fired	4.8	8.5	11.8	14.4	16.5	13.7	11.7	9.2	10.1	15.3	6.5	1.3	0.1	0.0	0.0	0.0	0.0	0.0
Vessels- Oil-fired	NA	NA	NA	NA	NA	0.0	0.0	0.0	0.0	0.0	0.1	0.9	0.7	1.3	0.1	1.5	0.4	0.4
-Coal-fired	NA	NA	NA	NA	NA	NA	NA	NA	0.9	0.8	0.7	0.5	0.3	0.4	0.4	0.1	0.0	0.0
Other Off-Highway Use	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	5.2	7.8	9.7	19.9	21.3	16.9	6.9	6.6
INTERNAL FUEL COMBUSTION (Total) . . .	249.8	242.1	233.9	226.1	214.4	201.1	183.3	164.0	151.7	135.7	103.7	75.8	59.2	46.3	32.4	30.6	66.3	79.2
Anthracite Coal	1.8	2.4	2.5	2.6	2.5	1.9	0.9	0.7	0.6	0.8	0.9	0.4	0.2	0.2	0.2	0.1	0.0	0.0
Bituminous Coal	6.1	10.6	14.6	19.6	22.4	25.6	24.4	19.6	21.2	25.5	19.3	12.4	9.8	7.0	4.5	1.9	1.6	1.9
Residual Oil	NA	NA	NA	NA	NA	0.1	0.1	0.1	0.1	0.1	0.1	0.2	0.1	0.1	0.1	0.2	0.1	0.1
Distillate Oil	NA	NA	NA	NA	NA	0.0	0.0	0.0	0.0	0.1	0.2	0.2	0.3	0.4	0.4	0.6	0.2	0.2
Natural Gas	NA	NA	0.0	0.0	0.0	0.0	0.0	0.3	0.3	0.7	0.7	1.4	2.3	3.1	3.4	3.8	3.1	2.8
Wood	241.6	229.0	216.5	203.7	189.1	173.1	157.3	142.9	128.5	107.8	81.8	60.7	45.9	35.2	23.3	23.3	60.7	73.8
Coke and Other Fuels	0.2	0.2	0.3	0.3	0.4	0.5	0.6	0.5	0.9	0.9	0.6	0.5	0.5	0.2	0.5	0.7	0.5	0.5
INDUSTRIAL PROCESSES (Total)	19.5	23.1	22.4	29.2	42.3	74.4	101.3	102.8	136.8	172.7	213.8	221.5	253.8	354.4	389.1	335.3	343.1	335.3
Petroleum Refinery Process Operations	0.0	0.6	0.9	1.1	1.8	2.8	3.1	3.2	8.2	7.6	7.4	11.4	12.0	11.1	11.2	13.0	12.8	9.9
Manufacture of Petrochemicals	0.0	0.1	0.1	0.2	0.2	0.4	0.5	0.5	0.6	1.7	2.7	5.6	8.7	13.8	24.0	28.2	29.2	29.8
Petrol. Production- Crude Oil	0.0	0.0	0.0	0.0	0.0	0.0	0.2	1.0	1.2	1.1	1.0	0.7	1.0	0.9	0.7	1.5	2.1	2.2
- Nat.Gas Liquids	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.2	0.2	0.4	0.4	0.4	0.5	0.6	0.5	1.2	1.9	2.0
Petrol. Marketing - Gasoline	0.0	0.1	0.3	1.8	6.2	13.3	20.3	20.3	26.8	22.1	39.0	37.2	52.5	58.8	74.3	76.6	61.3	56.7
- Other Prod.	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	3.0	4.6	4.7	4.9	5.5	6.1	5.3	4.7
Surface Coating Operations	19.4	21.3	19.1	21.7	22.5	33.7	39.7	36.2	39.7	73.2	62.5	71.6	81.8	90.6	146.3	107.6	121.3	127.9
Misc. Indust. Processes	0.0	1.0	1.6	2.6	5.1	10.1	14.1	17.8	27.2	38.5	57.5	66.4	71.6	157.6	114.6	97.0	105.8	99.1
- Carbon Black Mfg.	0.0	0.1	0.4	1.9	6.5	14.1	23.2	23.8	32.9	28.1	40.2	23.7	21.1	16.2	11.9	4.1	3.4	3.0
SOLID WASTE DISPOSAL (Total)	23.4	23.7	23.8	25.6	27.1	29.7	32.2	32.3	32.4	42.8	45.6	55.5	61.3	72.3	78.7	37.6	25.7	23.1
Incineration	15.0	14.6	14.0	14.4	14.4	15.0	15.4	14.8	14.1	18.0	18.4	18.7	20.7	23.6	22.0	17.5	12.7	11.5
Open Burning	8.4	9.1	9.7	11.2	12.7	14.8	16.8	17.5	18.2	24.8	27.1	36.8	40.6	48.7	56.7	20.0	13.0	11.6
MISCELLANEOUS OTHER SOURCES (Total). .	56.6	58.5	60.4	68.9	45.9	133.7	82.1	49.4	51.6	71.6	73.6	84.6	90.5	94.6	114.9	90.5	82.6	73.3
Wildfires	30.7	30.7	30.7	36.0	9.7	93.2	36.9	2.5	2.1	4.7	0.5	1.0	0.4	0.6	1.3	2.6	4.3	5.1
Prescribed Fires	4.0	4.0	4.0	4.0	4.0	4.0	4.1	4.1	5.0	5.1	6.6	5.9	6.6	5.7	4.9	4.9	4.6	4.7
Other Burning	6.9	7.6	8.3	8.9	9.6	10.3	11.3	11.7	12.1	11.9	11.8	11.3	10.5	7.9	6.4	2.2	1.9	1.8
Organic Solvent Evaporation	14.9	16.1	17.3	20.0	22.6	26.2	29.9	31.1	32.4	49.9	54.7	66.2	73.0	80.4	102.3	80.7	71.7	61.7
TOTAL (ALL SOURCE CATEGORIES)	354.0	356.2	354.8	377.2	391.5	550.0	568.1	521.0	609.5	619.9	770.4	828.8	926.5	1066.8	1177.7	895.0	814.8	769.0

ACTIVITY INDICATORS 1900-1980 FOR STATE OF MICHIGAN

SOURCE CATEGORY	1900	1905	1910	1915	1920	1925	1930	1935	1940	1945	1950	1955	1960	1965	1970	1975	1980
BITUMINOUS COAL (1000 TONS)	4000.3	6338.0	8936.4	12194.2	14232.7	16924.4	16850.8	14387.8	17505.7	23643.7	18356.0	18041.0	21460.0	29211.0	31691.0	25946.0	27867.0
ANTHRACITE COAL (1000 TONS)	547.6	741.8	800.1	838.8	846.2	631.9	161.7	122.2	203.3	239.0	383.0	142.0	66.0	109.0	87.0	63.0	31.0
RESIDUAL OIL (1000 BBL)	-3.0	-3.0	-3.0	-3.0	-3.0	5591.2	5314.3	5259.0	4604.0	4582.0	9607.0	11352.0	10468.0	7129.0	9542.0	18740.0	11766.0
DISTILLATE OIL (1000 BBL)	-3.0	-3.0	-3.0	-3.0	-3.0	566.6	594.8	670.0	1592.0	2455.0	8713.0	9102.0	29728.0	30686.0	31973.0	32569.0	15367.0
NATURAL GAS (10E6 CU. FT.)	-4.0	-4.0	1.2	1101.0	0.4	0.4	2075.0	18661.6	32790.0	59608.0	127253.0	207337.0	380461.0	570699.0	809124.0	884184.0	865137.0
WOOD (1000 TONS)	4616.7	4385.8	4201.2	4016.5	3831.8	3647.2	3462.5	3324.0	3231.7	3000.8	2770.0	2414.0	2166.0	2146.0	2118.0	2088.0	3820.0
HIGHWAY VEHICLES																	
GASOLINE (1000 GAL)	-1.0	-1.0	-1.0	-1.0	-1.0	443900.0	735123.0	784716.0	1101900.0	914911.0	1671700.0	2237095.0	2563798.0	3240913.0	-1.0	-1.0	-1.0
DIESEL (1000 GAL)	-1.0	-1.0	-1.0	-1.0	-1.0	-1.0	-1.0	-1.0	-1.0	-1.0	18270.0	22554.0	29064.0	70434.0	179004.0	248010.0	299880.0
VMT (10E6 MILES)	-1.0	-1.0	-1.0	-1.0	-1.0	-1.0	-1.0	-1.0	-1.0	-1.0	-1.0	-1.0	-1.0	-1.0	53111.0	58173.0	62059.0
MISCELLANEOUS																	
RAILROADS-COAL (1000 TONS)	1159.0	1874.7	2591.5	3166.6	3619.5	3001.8	2581.1	2019.5	2259.4	3361.8	1450.0	294.0	35.0	0.0	0.0	0.0	0.0
RAILROADS-OIL (1000 BBL)	-1.0	-1.0	-1.0	-1.0	-1.0	90.8	85.4	70.0	79.0	297.0	1006.0	1622.0	1827.0	1558.0	1625.0	2428.0	2094.0
COKE PL (1000 TONS COAL)	386.0	532.0	787.8	890.0	1626.2	2293.5	2661.0	1987.3	3300.2	3982.7	3722.0	4580.0	4439.0	5404.0	4942.0	5343.0	3339.0
VES FUEL OIL (1000 BBL)	-1.0	-1.0	-1.0	-1.0	-1.0	50.0	59.3	47.0	129.0	87.0	64.0	254.6	118.8	132.3	107.5	116.1	59.5
CEMENT PL (1000 TONS)	125.0	521.0	693.0	896.0	920.0	2056.0	2164.0	861.0	1617.0	1098.0	2438.0	3423.0	3943.0	5079.0	5575.0	4634.0	4767.0
POPULATION (1000's)	2421.0	2615.5	2810.0	3239.0	3668.0	4255.0	4842.0	5049.0	5256.0	5814.0	6372.0	7097.5	7823.0	8349.0	8875.0	9118.0	9088.0
FOREST FIRES (1000 ACRES)	242.0	242.0	242.0	283.3	76.4	733.8	290.3	19.3	18.4	36.8	6.3	7.9	3.4	3.4	6.9	17.6	33.4
CRUDE OIL PROD. (1000 BBL)	0.0	0.0	0.0	0.0	0.0	4.0	3911.0	15776.0	19753.0	17267.0	15826.0	11266.0	15899.0	14728.0	11693.0	24420.0	33808.0
CRUDE OIL RUN (1000 BBL)	577.8	1223.6	1872.3	2553.1	4022.9	6936.8	8156.4	8772.0	24400.0	27273.0	29121.0	45595.0	50408.0	52192.0	62236.0	67327.0	65038.0
OFF-HIGHWAY VEH. (1000 BBL	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	180.0	362.0	728.0	1870.0	1949.0	1627.0	652.0
LAND AREA (1000 SQ.MI.)	56.8																

NOTE:Negative number indicates missing datum;see footnote at end of table

MINNESOTA VOC EMISSIONS (1000 METRIC TONS)

SOURCE CATEGORY	1900	1905	1910	1915	1920	1925	1930	1935	1940	1945	1950	1955	1960	1965	1970	1975	1980	1985
TRANSPORTATION (Total)	8.6	13.9	18.6	26.1	44.6	67.7	88.3	89.0	113.9	96.8	155.7	176.3	227.4	223.8	242.3	183.7	144.5	125.9
Highway Vehicles	0.0	0.2	1.3	6.7	23.5	50.6	74.0	78.2	102.2	79.6	137.4	158.7	204.7	197.4	222.1	163.1	128.4	110.9
Aircraft	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.1	1.1	2.4	3.4	4.7	7.7	4.7	3.5	3.2	3.3
Railroads- Oil-fired	NA	NA	NA	NA	NA	0.1	0.1	0.1	0.4	0.7	2.0	2.3	4.3	3.4	3.5	3.6	3.1	2.3
- Coal-fired	8.5	13.7	17.3	19.4	21.0	16.9	14.1	10.7	11.0	15.3	8.2	2.6	0.4	0.5	0.3	0.0	0.0	0.0
Vessels- Oil-fired	NA	NA	NA	NA	NA	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.1	0.2	0.0	2.4	2.0	2.1
-Coal-fired	NA	NA	NA	NA	NA	NA	NA	NA	0.3	0.2	0.1	0.1	0.1	0.1	0.1	0.0	0.0	0.0
Other Off-Highway Use	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	5.5	9.2	13.1	14.5	11.5	11.1	7.7	7.3
EXTERNAL FUEL COMBUSTION (Total) . . .	196.3	189.7	182.0	174.3	163.6	150.8	134.0	119.6	107.9	92.5	67.6	47.9	35.5	25.7	18.2	20.6	44.3	53.4
Anthracite Coal	3.5	4.7	5.0	5.1	5.1	3.7	0.3	0.2	0.2	0.3	0.1	0.3	0.0	0.1	0.1	0.0	0.0	0.0
Bituminous Coal	3.7	5.9	7.7	9.8	10.5	11.6	10.6	7.4	6.8	7.1	2.8	1.9	2.5	1.4	1.2	0.7	0.8	0.9
Residual Oil	NA	NA	NA	NA	NA	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.1	0.1	0.1	0.1	0.0	0.0
Distillate Oil	NA	NA	NA	NA	NA	0.0	0.0	0.0	0.0	0.0	0.1	0.1	0.1	0.2	0.2	0.3	0.1	0.1
Natural Gas	NA	NA	-0.0	-0.0	-0.0	-0.0	-0.0	0.2	0.2	0.5	0.5	1.0	1.1	1.3	1.4	1.6	1.0	0.9
Wood	188.9	179.0	169.2	159.2	147.8	135.3	122.9	111.7	100.5	84.3	63.9	44.2	31.6	22.5	15.2	17.7	42.3	51.5
Coke and Other Fuels	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.1	0.3	0.3	0.2	0.2	0.1	0.0	0.1	0.1	0.0	0.0
INDUSTRIAL PROCESSES (Total)	4.1	5.3	6.4	8.9	15.6	26.1	34.1	37.0	48.2	54.2	79.2	77.5	95.1	135.2	130.6	120.9	126.5	119.9
Petroleum Refinery Process Operations	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	5.7	8.4	8.5	9.8	9.7	7.5
Manufacture of Petrochemicals	0.0	0.1	0.1	0.1	0.2	0.2	0.2	0.2	0.3	0.8	1.3	2.5	3.8	5.9	10.3	12.1	13.5	13.8
Petrol. Production- Crude Oil	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
- Nat.Gas Liquids	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Petrol. Marketing - Gasoline	0.0	0.0	0.2	0.9	3.2	6.9	9.6	9.7	12.1	9.9	16.9	15.8	24.4	25.0	31.3	33.7	28.2	26.0
- Other Prod.	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	1.8	3.4	3.1	3.2	3.9	4.2	4.3	3.9
Surface Coating Operations	4.0	4.4	4.8	5.2	5.5	5.7	5.9	6.2	6.4	11.9	14.8	15.9	17.2	17.5	22.5	17.3	20.5	21.6
Misc. Indust. Processes	0.0	0.7	1.2	1.8	3.3	5.9	7.5	9.4	14.4	19.1	26.9	29.9	31.2	68.1	49.1	41.8	48.8	45.7
- Carbon Black Mfg.	0.0	0.0	0.2	1.0	3.4	7.3	10.9	11.4	14.9	12.5	17.4	10.0	9.8	6.9	5.0	1.8	1.5	1.4
SOLID WASTE DISPOSAL (Total)	16.9	17.3	17.6	17.7	17.7	17.3	17.0	17.1	17.2	21.3	21.3	25.0	26.7	31.3	33.7	16.2	11.9	10.6
Incineration	10.9	10.7	10.4	9.9	9.4	8.7	8.1	7.8	7.5	9.0	8.6	8.4	9.0	10.2	9.4	7.6	5.9	5.3
Open Burning	6.1	6.6	7.2	7.7	8.3	8.6	8.9	9.3	9.7	12.3	12.7	16.6	17.7	21.0	24.3	8.6	6.0	5.3
MISCELLANEOUS OTHER SOURCES (Total). .	81.6	80.6	85.6	36.5	46.0	77.3	72.7	42.9	56.9	51.6	52.0	63.3	75.5	61.3	64.4	53.3	60.7	59.6
Wildfires	55.6	55.6	55.6	4.6	12.3	41.9	35.4	4.3	15.8	3.1	0.7	9.5	19.9	7.6	4.7	8.5	18.6	22.1
Prescribed Fires	5.6	5.6	5.6	5.7	5.6	5.7	5.7	5.7	7.0	7.1	9.2	8.2	9.1	7.9	6.9	6.9	6.4	6.6
Other Burning	9.6	7.6	11.6	12.6	13.4	14.5	15.8	16.3	16.8	16.6	16.5	15.7	14.7	11.0	8.9	3.1	2.7	2.5
Organic Solvent Evaporation	10.8	11.8	12.8	13.7	14.7	15.3	15.8	16.5	17.2	24.8	25.6	29.8	31.9	34.8	43.9	34.8	33.1	28.5
TOTAL (ALL SOURCE CATEGORIES)	307.5	306.8	310.2	263.5	287.4	339.1	346.2	305.6	344.1	316.4	375.8	390.0	460.3	477.2	489.1	394.7	387.8	369.5

ACTIVITY INDICATORS 1900-1980 FOR STATE OF MINNESOTA

SOURCE CATEGORY	1900	1905	1910	1915	1920	1925	1930	1935	1940	1945	1950	1955	1960	1965	1970	1975	1980
BITUMINOUS COAL (1000 TONS)	2439.6	3556.5	4678.8	6092.8	6698.8	7677.8	7295.7	5457.4	5592.7	6640.1	2668.0	2800.0	5477.0	6012.0	8165.0	10076.0	13266.0
ANTHRACITE COAL (1000 TONS)	1090.3	1476.9	1593.0	1670.0	1684.8	1258.1	48.7	36.8	61.2	108.2	46.0	129.0	13.0	39.0	29.0	11.0	0.0
RESIDUAL OIL (1000 BBL)	-3.0	-3.0	-3.0	-3.0	-3.0	446.8	437.0	460.0	399.0	552.0	1361.0	1095.0	6258.0	4745.0	5082.0	4299.0	2142.0
DISTILLATE OIL (1000 BBL)	-3.0	-3.0	-3.0	-3.0	-3.0	284.6	314.6	378.0	828.0	1097.0	2663.0	4447.0	14326.0	16232.0	17804.0	17146.0	9457.0
NATURAL GAS (10E6 CU. FT.)	-4.0	-4.0	-2.0	-2.0	-2.0	-2.0	-2.0	12109.8	19904.0	42611.0	85625.0	154966.0	179625.0	247835.0	342322.0	370689.0	285846.0
WOOD (1000 TONS)	3608.3	3427.9	3283.6	3139.3	2994.9	2850.6	2706.3	2598.0	2525.8	2345.4	2165.0	1761.0	1490.0	1371.0	1380.0	1591.0	2664.0
HIGHWAY VEHICLES																	
GASOLINE (1000 GAL)	-1.0	-1.0	-1.0	-1.0	-1.0	230891.0	345964.0	376090.0	498617.0	408125.0	725126.0	947813.0	1189877.0	1378785.0	-1.0	-1.0	-1.0
DIESEL (1000 GAL)	-1.0	-1.0	-1.0	-1.0	-1.0	-1.0	-1.0	-1.0	-1.0	-1.0	13398.0	19278.0	24444.0	50988.0	130158.0	176862.0	249312.0
VMT (10E6 MILES)	-1.0	-1.0	-1.0	-1.0	-1.0	-1.0	-1.0	-1.0	-1.0	-1.0	-1.0	-1.0	-1.0	-1.0	22380.0	25624.0	28515.0
MISCELLANEOUS																	
RAILROADS-COAL (1000 TONS)	2067.1	3813.4	3793.9	4254.3	4626.1	3720.8	3099.7	2348.3	2463.8	3357.9	1829.0	594.0	125.0	61.0	28.0	0.0	0.0
RAILROADS-OIL (1000 BBL)	-1.0	-1.0	-1.0	-1.0	-1.0	102.5	96.4	79.0	227.0	423.0	1194.0	1393.0	2543.0	2008.0	2047.0	2115.0	1845.0
COKE PL (1000 TONS COAL)	306.7	380.4	507.3	515.3	720.5	826.4	879.5	621.8	978.3	1119.4	1146.0	1426.0	784.0	984.0	604.0	957.0	9.0
VES FUEL OIL (1000 BBL)	-1.0	-1.0	-1.0	-1.0	-1.0	1.1	1.3	1.0	2.0	2.0	26.3	10.1	17.8	16.5	21.3	180.6	295.5
CEMENT PL (1000 TONS)	0.0	0.0	0.0	0.0	-1.0	-1.0	-1.0	-1.0	-1.0	-1.0	169.0	214.0	242.0	266.0	0.0	0.0	0.0
POPULATION (1000's)	1751.0	1913.5	2076.0	2231.5	2387.0	2475.5	2564.0	2678.0	2792.0	2887.0	2982.0	3198.0	3414.0	3609.5	3805.0	3933.0	4193.0
FOREST FIRES (1000 ACRES)	437.9	437.9	437.9	36.0	96.9	329.6	278.5	33.9	141.3	24.4	8.9	75.2	159.4	43.3	25.8	56.5	145.7
CRUDE OIL PROD. (1000 BBL)	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
CRUDE OIL RUN (1000 BBL)	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	23993.0	39508.0	47111.0	50965.0	49232.0
OFF-HIGHWAY VEH. (1000 BBL	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	190.0	425.0	977.0	1363.0	1054.0	1070.0	727.0
LAND AREA (1000 SQ.MI.)	79.3																

NOTE:Negative number indicates missing datum;see footnote at end of table

MISSISSIPPI VOC EMISSIONS (1000 METRIC TONS)

SOURCE CATEGORY	1900	1905	1910	1915	1920	1925	1930	1935	1940	1945	1950	1955	1960	1965	1970	1975	1980	1985
TRANSPORTATION (Total)	4.6	7.7	10.4	13.8	21.2	28.7	37.7	34.9	51.4	58.3	99.3	105.5	129.4	131.5	138.1	114.8	95.7	85.1
Highway Vehicles	0.0	0.1	0.4	2.2	7.8	16.9	27.0	26.0	41.1	41.8	77.8	90.3	111.1	113.7	115.4	91.4	74.3	64.2
Aircraft	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.8	1.7	2.3	3.0	4.7	2.7	2.1	2.0	2.1
Railroads- Oil-fired	NA	NA	NA	NA	NA	0.1	0.1	0.1	0.3	0.3	0.5	0.8	0.9	0.4	0.8	0.4	1.6	1.1
- Coal-fired	4.6	7.7	10.0	11.5	13.4	11.7	10.6	8.8	9.9	15.3	8.2	2.5	0.4	0.0	0.0	0.0	0.0	0.0
Vessels- Oil-fired	NA	NA	NA	NA	NA	0.0	0.0	0.0	0.0	0.0	0.1	0.1	0.0	1.5	0.1	8.0	9.4	9.7
-Coal-fired	NA	NA	NA	NA	NA	NA	NA	NA	0.1	0.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Other Off-Highway Use	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	10.9	9.5	14.0	11.1	19.1	12.8	8.4	8.0
EXTERNAL FUEL COMBUSTION (Total) . . .	302.4	287.0	271.8	256.3	238.1	217.8	198.0	179.9	162.5	137.6	102.7	77.0	58.5	37.4	23.1	21.5	35.0	42.1
Anthracite Coal	0.0	0.0	0.0	0.0	0.0	0.0	-0.0	-0.0	-0.0	-0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Bituminous Coal	0.7	1.2	1.5	2.0	1.9	1.7	1.5	1.3	1.6	2.1	0.0	0.0	0.0	0.0	0.1	0.1	0.2	0.3
Residual Oil	NA	NA	NA	NA	NA	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.1	0.1	0.1
Distillate Oil	NA	NA	NA	NA	NA	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.1	0.0	0.0
Natural Gas	NA	NA	-0.0	-0.0	0.0	0.0	0.0	0.2	0.2	0.5	0.5	1.2	1.1	1.4	1.5	1.0	0.9	0.8
Wood	301.7	285.8	270.2	254.3	236.1	216.1	196.3	178.4	160.5	134.6	102.1	75.8	57.4	36.0	21.5	20.2	33.7	40.9
Coke and Other Fuels	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.1	0.3	0.4	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
INDUSTRIAL PROCESSES (Total)	3.6	4.6	5.4	6.3	8.9	13.8	18.2	19.5	27.8	37.8	53.6	57.0	63.6	96.4	92.6	90.7	99.4	93.3
Petroleum Refinery Process Operations	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.3	0.0	1.9	2.4	11.1	11.7	15.1	17.3	13.5
Manufacture of Petrochemicals	0.0	0.1	0.1	0.1	0.1	0.2	0.2	0.2	0.2	0.6	0.9	1.7	2.4	3.6	6.0	7.4	8.4	8.6
Petrol. Production- Crude Oil	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.3	1.2	2.4	2.4	3.2	3.5	4.1	2.9	2.3	2.3
- Nat.Gas Liquids	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.1	0.4	0.9	1.3	1.7	2.2	2.9	2.3	2.0	2.1
Petrol. Marketing - Gasoline	0.0	0.0	0.1	0.3	1.1	2.3	3.5	3.2	4.9	5.2	9.5	8.9	13.2	14.5	16.3	18.9	16.3	15.1
- Other Prod.	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	1.5	2.1	1.0	1.1	2.8	2.8	3.4	3.0
Surface Coating Operations	3.6	3.9	4.2	4.1	4.1	4.4	4.6	4.8	5.1	9.0	9.0	12.6	14.4	14.8	17.7	14.6	18.4	19.4
Misc. Indust. Processes	0.0	0.6	1.0	1.4	2.5	4.5	5.9	7.4	11.3	14.4	19.7	20.4	19.9	41.5	28.6	25.5	30.4	28.5
- Carbon Black Mfg.	0.0	0.0	0.1	0.3	1.1	2.4	4.0	3.8	6.0	6.6	9.8	5.7	5.3	4.0	2.6	1.0	0.9	0.8
SOLID WASTE DISPOSAL (Total)	15.0	15.1	15.2	14.2	13.2	13.3	13.3	13.4	13.5	16.1	15.6	17.0	17.1	19.0	19.7	9.9	7.4	6.6
Incineration	9.6	9.3	9.0	8.0	7.0	6.7	6.4	6.1	5.9	6.8	6.3	5.7	5.8	6.2	5.5	4.6	3.7	3.3
Open Burning	5.4	5.8	6.2	6.2	6.2	6.6	7.0	7.3	7.6	9.3	9.3	11.3	11.3	12.8	14.2	5.3	3.7	3.3
MISCELLANEOUS OTHER SOURCES (Total). .	123.7	126.3	126.4	125.3	81.0	193.7	225.7	554.4	559.6	349.2	154.0	130.8	56.3	44.9	55.8	35.2	39.6	39.3
Wildfires	105.2	105.2	105.2	103.7	58.8	170.4	201.1	530.1	534.1	317.5	120.8	96.5	21.8	12.4	20.9	8.0	13.6	16.2
Prescribed Fires	3.3	3.3	3.3	3.3	3.3	3.2	3.3	2.9	3.5	3.9	5.2	4.8	5.4	4.7	4.1	4.1	3.8	3.9
Other Burning	5.6	7.5	6.8	7.3	7.9	8.3	9.0	8.4	8.5	9.1	9.3	9.2	8.7	6.6	5.3	1.9	1.6	1.5
Organic Solvent Evaporation	9.6	10.3	11.1	11.1	11.0	11.7	12.4	12.9	13.5	18.7	18.7	20.3	20.3	21.2	25.6	21.2	20.6	17.7
TOTAL (ALL SOURCE CATEGORIES)	449.3	440.8	429.1	415.9	362.5	467.4	492.9	802.1	814.7	599.0	425.2	387.3	324.8	329.2	329.2	272.1	277.1	266.4

ACTIVITY INDICATORS 1900-1980 FOR STATE OF MISSISSIPPI

SOURCE CATEGORY	1900	1905	1910	1915	1920	1925	1930	1935	1940	1945	1950	1955	1960	1965	1970	1975	1980
BITUMINOUS COAL (1000 TONS)	469.9	706.0	947.0	1240.1	1232.3	1110.4	1066.9	965.3	1303.0	1959.2	0.0	2.0	9.0	9.0	491.0	1593.0	3624.0
ANTHRACITE COAL (1000 TONS)	1.3	1.8	1.9	2.0	2.0	1.5	-1.0	-1.0	-1.0	-1.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
RESIDUAL OIL (1000 BBL)	-3.0	-3.0	-3.0	-3.0	-3.0	285.4	358.2	481.0	91.0	344.0	110.0	162.0	324.0	160.0	875.0	8960.0	9696.0
DISTILLATE OIL (1000 BBL)	-3.0	-3.0	-3.0	-3.0	-3.0	140.4	183.0	255.0	343.0	586.0	1248.0	1420.0	502.0	652.0	1878.0	6906.0	1284.0
NATURAL GAS (10E6 CU. FT.)	-4.0	-4.0	-2.0	-2.0	42.8	91.6	1735.0	10751.9	17657.0	41508.0	92296.0	171484.0	192241.0	257892.0	360382.0	230053.0	263530.0
WOOD (1000 TONS)	5763.3	5475.2	5244.6	5014.1	4783.6	4553.0	4322.5	4149.6	4034.3	3746.2	3458.0	3016.0	2707.0	2195.0	1949.0	1811.0	2119.0
HIGHWAY VEHICLES																	
GASOLINE (1000 GAL)	-1.0	-1.0	-1.0	-1.0	-1.0	77040.0	125968.0	125267.0	200565.0	214585.0	405952.0	537274.0	646348.0	801818.0	-1.0	-1.0	-1.0
DIESEL (1000 GAL)	-1.0	-1.0	-1.0	-1.0	-1.0	-1.0	-1.0	-1.0	-1.0	-1.0	12222.0	13062.0	12600.0	21546.0	104286.0	124068.0	202608.0
VMT (10E6 MILES)	-1.0	-1.0	-1.0	-1.0	-1.0	-1.0	-1.0	-1.0	-1.0	-1.0	-1.0	-1.0	-1.0	-1.0	11627.0	14358.0	16514.0
MISCELLANEOUS																	
RAILROADS-COAL (1000 TONS)	1118.7	1685.6	2190.3	2533.0	2939.8	2580.1	2340.6	1927.8	2223.2	3363.1	1847.0	574.0	117.0	0.0	0.0	0.0	0.0
RAILROADS-OIL (1000 BBL)	-1.0	-1.0	-1.0	-1.0	-1.0	85.6	80.5	66.0	154.0	180.0	316.0	490.0	532.0	260.0	451.0	243.0	917.0
COKE PL (1000 TONS COAL)	0.0	0.0	0.0	0.0	0.0	0.0	215.7	416.7	1090.6	1769.7	0.0	0.0	0.0	0.0	0.0	0.0	0.0
VES FUEL OIL (1000 BBL)	-1.0	-1.0	-1.0	-1.0	-1.0	4.3	5.0	4.0	12.0	55.0	52.5	25.8	4.8	153.0	95.3	605.5	1394.3
CEMENT PL (1000 TONS)	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	-1.0	292.0	429.0	533.0	271.0	280.0	349.0
POPULATION (1000's)	1551.0	1674.0	1797.0	1794.0	1791.0	1900.5	2010.0	2097.0	2184.0	2181.5	2179.0	2178.5	2178.0	2197.5	2217.0	2399.0	2613.0
FOREST FIRES (1000 ACRES)	828.5	828.5	828.5	816.4	462.8	1341.9	1583.0	4173.4	4781.0	2499.6	1558.3	763.0	174.9	70.5	113.8	53.4	106.5
CRUDE OIL PROD. (1000 BBL)	0.0	0.0	0.0	0.0	0.0	0.0	0.0	30.0	4400.0	19062.0	38236.0	37741.0	51673.0	56183.0	65119.0	46614.0	35945.0
CRUDE OIL RUN (1000 BBL)	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1085.0	0.0	7571.0	9968.0	51980.0	64597.0	77985.0	88111.0
OFF-HIGHWAY VE.. (1000 BBL	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	373.0	437.0	1046.0	1046.0	1749.0	1234.0	789.0
LAND AREA (1000 SQ.MI.)	47.3																

NOTE:Negative number indicates missing datum;see footnote at end of table

MISSOURI VOC EMISSIONS (1000 METRIC TONS)

SOURCE CATEGORY	1900	1905	1910	1915	1920	1925	1930	1935	1940	1945	1950	1955	1960	1965	1970	1975	1980	1985
TRANSPORTATION (Total)	3.4	5.2	7.2	12.4	27.9	54.0	100.0	110.0	143.2	118.1	215.6	246.2	301.7	299.5	274.9	212.1	171.0	148.9
Highway Vehicles	0.0	6.2	1.2	6.1	21.2	45.7	92.7	104.2	136.1	108.1	203.1	228.0	275.9	269.0	255.9	195.3	153.3	132.5
Aircraft	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.1	0.1	1.4	3.2	4.5	5.9	9.6	5.8	4.2	3.8	4.0
Railroads- Oil-fired	NA	NA	NA	NA	NA	3.0	2.8	2.3	3.1	3.4	3.7	6.2	5.4	5.9	4.4	3.6	3.0	2.1
- Coal-fired	3.3	5.1	6.0	6.3	6.7	5.4	4.5	3.4	3.5	4.8	2.6	0.8	0.1	0.2	0.1	0.0	0.0	0.0
Vessels- Oil-fired	NA	NA	NA	NA	NA	0.0	0.0	0.0	0.0	0.0	0.1	0.3	0.3	1.7	0.2	1.4	1.0	1.0
-Coal-fired	NA	NA	NA	NA	NA	NA	NA	NA	0.4	0.4	0.2	0.1	0.1	0.1	0.2	0.1	0.0	0.0
Other Off-Highway Use	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	2.7	6.1	13.9	13.1	8.2	7.5	9.8	9.3
EXTERNAL FUEL COMBUSTION (Total) . . .	252.9	244.5	234.5	224.5	209.3	192.3	173.3	155.1	140.3	121.1	89.1	63.0	48.0	29.7	18.9	20.8	45.2	54.6
Anthracite Coal	0.8	1.0	1.1	1.1	1.1	0.8	-0.0	-0.0	-0.0	-0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Bituminous Coal	8.5	12.6	15.2	18.0	17.5	16.9	14.7	10.7	10.3	11.4	5.6	3.8	3.2	1.9	1.9	1.4	1.4	1.6
Residual Oil	NA	NA	NA	NA	NA	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Distillate Oil	NA	NA	NA	NA	NA	0.0	0.0	0.0	0.0	0.0	0.1	0.1	0.1	0.1	0.1	0.2	0.1	0.0
Natural Gas	NA	NA	0.0	0.1	0.1	0.1	0.1	0.5	0.5	1.0	0.9	1.5	3.2	1.8	1.8	1.6	1.1	1.0
Wood	243.5	230.7	218.1	205.2	190.6	174.4	158.5	144.0	129.5	108.6	82.4	57.5	41.5	25.8	15.1	17.6	42.6	51.8
Coke and Other Fuels	0.1	0.1	0.1	0.1	0.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
INDUSTRIAL PROCESSES (Total)	7.3	30.5	25.9	26.8	37.2	49.8	66.5	70.5	83.5	102.7	131.3	127.9	142.2	192.7	218.9	198.1	204.8	201.2
Petroleum Refinery Process Operations	0.0	0.4	0.6	0.8	1.3	1.9	2.2	2.2	2.8	2.7	3.5	6.0	4.7	5.1	5.2	6.0	5.9	4.6
Manufacture of Petrochemicals	0.0	0.1	0.1	0.2	0.2	0.3	0.3	0.3	0.4	1.1	1.7	3.3	4.8	7.4	12.6	14.9	16.1	16.5
Petrol. Production- Crude Oil	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
- Nat.Gas Liquids	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Petrol. Marketing - Gasoline	0.0	0.0	0.2	0.8	2.9	6.3	12.0	13.0	16.2	13.4	25.1	22.7	32.6	33.7	36.1	40.4	33.7	31.1
- Other Prod.	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	2.4	3.7	4.4	4.7	5.6	5.4	6.0	5.3
Surface Coating Operations	7.2	28.8	22.9	21.5	25.1	26.3	27.7	26.7	24.7	42.8	37.2	39.0	43.1	47.6	93.3	78.2	82.7	87.2
Misc. Indust. Processes	0.1	1.2	1.9	2.6	4.7	8.3	10.6	13.0	19.6	25.6	35.7	38.7	39.5	84.9	60.4	51.1	58.6	54.8
- Carbon Black Mfg.	0.0	0.0	0.2	0.9	3.1	6.6	13.7	15.2	19.8	17.0	25.8	14.5	13.1	9.3	5.8	2.2	1.8	1.6
SOLID WASTE DISPOSAL (Total)	30.0	29.0	27.9	26.5	25.2	24.6	24.1	23.7	23.3	28.5	28.3	32.3	33.8	39.0	41.5	19.8	14.2	12.8
Incineration	19.3	17.9	16.4	14.9	13.4	12.4	11.5	10.9	10.2	12.0	11.4	10.9	11.4	12.7	11.6	9.2	7.1	6.4
Open Burning	10.8	11.1	11.4	11.6	11.8	12.2	12.6	12.9	13.1	16.5	16.8	21.5	22.4	26.2	29.9	10.6	7.2	6.4
MISCELLANEOUS OTHER SOURCES (Total). .	100.1	99.9	103.0	244.9	54.2	112.1	41.1	42.9	60.9	131.7	101.1	94.2	105.1	130.0	75.9	63.5	65.2	63.0
Wildfires	67.8	67.8	67.8	209.0	16.7	73.0	-0.1	0.9	16.8	78.1	45.1	34.9	44.2	70.3	8.3	12.3	17.6	21.0
Prescribed Fires	4.9	4.9	4.9	4.7	4.9	4.9	5.0	5.0	6.1	6.1	7.9	7.1	7.9	6.8	6.0	6.0	5.6	5.7
Other Burning	8.3	7.5	10.1	10.5	11.6	12.6	13.8	14.2	14.6	14.3	14.1	13.6	12.7	9.5	7.7	2.7	2.3	2.1
Organic Solvent Evaporation	19.1	19.7	20.3	20.6	21.0	21.7	22.4	22.9	23.3	33.2	34.0	38.6	40.3	43.3	53.9	42.6	39.7	34.1
TOTAL (ALL SOURCE CATEGORIES)	393.7	409.1	398.5	535.1	353.9	432.8	405.0	482.2	451.2	502.1	565.4	563.6	630.9	690.8	630.1	514.4	500.4	480.5

ACTIVITY INDICATORS 1900-1980 FOR STATE OF MISSOURI

SOURCE CATEGORY	1900	1905	1910	1915	1920	1925	1930	1935	1940	1945	1950	1955	1960	1965	1970	1975	1980
BITUMINOUS COAL (1000 TONS)	5568.3	7571.8	9301.9	11170.7	11110.1	11177.2	10153.3	7842.3	8470.0	10559.3	5338.0	5537.0	7073.0	7933.0	13104.0	19463.0	23731.0
ANTHRACITE COAL (1000 TONS)	242.4	328.4	354.2	371.3	374.6	279.7	-1.0	-1.0	-1.0	-1.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
RESIDUAL OIL (1000 BBL)	-3.0	-3.0	-3.0	-3.0	-3.0	1438.4	1443.1	1557.0	1210.0	2327.0	2369.0	3044.0	2891.0	3040.0	3551.0	2946.0	1426.0
DISTILLATE OIL (1000 BBL)	-3.0	-3.0	-3.0	-3.0	-3.0	350.1	429.0	567.0	950.0	1494.0	3410.0	3637.0	8925.0	6783.0	7518.0	8114.0	3637.0
NATURAL GAS (10E6 CU. FT.)	-4.0	-4.0	47.1	4667.0	5606.1	5742.3	26122.0	32860.4	53141.0	86773.0	161590.0	221951.0	537920.0	339342.0	419446.0	369620.0	318450.0
WOOD (1000 TONS)	4651.7	4419.1	4233.0	4046.9	3860.9	3674.8	3488.8	3349.2	3256.2	3023.6	2791.0	2289.0	1956.0	1571.0	1373.0	1576.0	2683.0
HIGHWAY VEHICLES																	
GASOLINE (1000 GAL)	-1.0	-1.0	-1.0	-1.0	-1.0	208555.0	433117.0	501408.0	664044.0	554209.0	1073220.0	1367508.0	1591098.0	1858445.0	-1.0	-1.0	-1.0
DIESEL (1000 GAL)	-1.0	-1.0	-1.0	-1.0	-1.0	-1.0	-1.0	-1.0	-1.0	-1.0	18102.0	22302.0	45864.0	90048.0	206892.0	243096.0	354060.0
VMT (10E6 MILES)	-1.0	-1.0	-1.0	-1.0	-1.0	-1.0	-1.0	-1.0	-1.0	-1.0	-1.0	-1.0	-1.0	-1.0	25785.0	30675.0	34061.0
MISCELLANEOUS																	
RAILROADS-COAL (1000 TONS)	807.2	1111.2	1316.5	1384.6	1464.9	1178.7	981.3	743.7	779.9	1063.7	579.0	188.0	40.0	19.0	9.0	0.0	0.0
RAILROADS-OIL (1000 BBL)	-1.0	-1.0	-1.0	-1.0	-1.0	2173.6	2043.7	1675.0	1825.0	2206.0	2174.0	3805.0	3174.0	3434.0	2608.0	2117.0	1737.0
COKE PL (1000 TONS COAL)	201.0	236.2	295.0	277.6	223.2	58.7	20.2	38.4	100.9	164.0	249.0	269.0	224.0	213.0	293.0	278.0	201.0
VES FUEL OIL (1000 BBL)	-1.0	-1.0	-1.0	-1.0	-1.0	1.1	1.3	1.0	125.0	55.0	55.5	90.6	46.6	170.0	248.3	104.0	145.5
CEMENT PL (1000 TONS)	0.0	729.0	838.0	870.0	1131.0	1566.0	1468.0	638.0	934.0	599.0	1404.0	1775.0	2015.0	2627.0	3899.0	3919.0	3606.0
POPULATION (1000's)	3107.0	3200.0	3293.0	3348.5	3404.0	3516.5	3629.0	3707.0	3785.0	3870.0	3955.0	4137.5	4320.0	4498.5	4677.0	4859.0	5029.0
FOREST FIRES (1000 ACRES)	534.1	534.1	534.1	1645.5	131.6	574.6	-1.0	6.8	150.0	615.2	581.5	275.7	354.7	398.6	45.0	81.6	138.3
CRUDE OIL PROD. (1000 BBL)	0.0	0.0	0.0	0.0	0.0	0.0	0.0	17.0	44.0	45.0	32.0	72.0	75.0	73.0	66.0	57.0	130.0
CRUDE OIL RUN (1000 BBL)	395.6	837.8	1281.9	1748.0	2754.4	4749.4	5584.5	6006.0	8436.0	9662.0	13786.0	23956.0	19997.0	23939.0	28546.0	30881.0	29831.0
OFF-HIGHWAY VEH. (1000 BBL	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	94.0	284.0	1037.0	1231.0	756.0	724.0	923.0
LAND AREA (1000 SQ.MI.)	69.0																

NOTE:Negative number indicates missing datum;see footnote at end of table

MONTANA VOC EMISSIONS (1000 METRIC TONS)

SOURCE CATEGORY	1900	1905	1910	1915	1920	1925	1930	1935	1940	1945	1950	1955	1960	1965	1970	1975	1980	1985
TRANSPORTATION (Total)	4.3	6.9	8.8	10.4	13.2	16.8	22.2	23.9	30.6	33.9	58.1	54.5	65.2	65.6	58.9	46.8	39.2	33.8
Highway Vehicles	0.0	0.0	0.2	0.8	2.8	6.1	13.0	16.8	22.5	17.2	35.0	40.0	49.2	50.3	48.3	36.4	29.8	25.8
Aircraft	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.2	0.5	0.7	0.9	1.5	0.9	0.7	0.6	0.6
Railroads- Oil-fired	NA	NA	NA	NA	NA	2.4	2.2	1.8	2.6	8.9	7.8	4.8	4.3	3.3	2.9	3.5	4.1	2.9
- Coal-fired	4.3	6.9	8.6	9.6	10.4	8.4	7.0	5.3	5.4	7.5	4.0	1.3	0.2	0.3	0.2	0.0	0.0	0.0
Vessels- Oil-fired	NA	NA	NA	NA	NA	-0.0	-0.0	-0.0	-0.0	-0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
-Coal-fired	NA	NA	NA	NA	NA	NA	NA	NA	0.1	0.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Other Off-Highway Use	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	10.7	7.7	10.5	10.2	6.6	6.2	4.7	4.4
EXTERNAL FUEL COMBUSTION (Total) . . .	51.4	49.5	47.5	45.6	42.6	39.4	35.7	31.9	28.6	24.6	17.7	12.9	9.8	8.1	4.9	4.6	11.5	13.8
Anthracite Coal	0.0	0.0	0.0	0.0	0.0	0.0	-0.0	-0.0	-0.0	-0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Bituminous Coal	1.4	2.1	2.7	3.4	3.5	3.5	3.1	2.1	1.8	1.9	0.5	0.2	0.2	0.1	0.1	0.1	0.2	0.3
Residual Oil	NA	NA	NA	NA	NA	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Distillate Oil	NA	NA	NA	NA	NA	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.1	0.0	0.0
Natural Gas	NA	NA	-0.0	0.0	0.0	0.1	0.0	0.2	0.2	0.3	0.2	0.3	0.3	0.4	0.4	0.3	0.2	0.2
Wood	50.0	47.4	44.8	42.1	39.1	35.8	32.5	29.6	26.6	22.3	16.9	12.4	9.3	7.6	4.4	4.1	11.0	13.3
Coke and Other Fuels	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
INDUSTRIAL PROCESSES (Total)	0.6	1.1	1.5	2.1	3.6	5.7	7.9	9.3	13.4	14.9	25.9	28.0	32.0	41.3	44.4	44.1	47.1	44.7
Petroleum Refinery Process Operations	0.0	0.2	0.3	0.4	0.7	1.1	1.2	1.2	2.8	3.0	4.1	5.3	6.2	7.1	7.1	8.2	8.7	6.8
Manufacture of Petrochemicals	0.0	0.0	0.0	0.0	0.0	0.1	0.1	0.1	0.1	0.2	0.3	0.5	0.7	1.1	1.9	2.3	2.7	2.7
Petrol. Production- Crude Oil	0.0	0.0	0.0	0.0	0.0	0.3	0.2	0.3	0.4	0.5	0.5	1.0	1.9	2.1	2.4	2.1	1.9	1.9
- Nat.Gas Liquids	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.1	0.1	0.2	0.2	0.5	1.0	1.3	1.7	1.7	1.7	1.7
Petrol. Marketing - Gasoline	0.0	0.0	0.0	0.1	0.4	0.8	1.7	2.1	2.7	2.1	4.1	3.8	5.5	5.8	6.8	7.5	6.5	6.0
- Other Prod.	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	1.4	2.2	1.9	2.2	1.6	1.6	1.6	1.5
Surface Coating Operations	0.6	0.7	0.9	1.1	1.3	1.2	1.2	1.2	1.3	2.3	5.7	6.3	6.4	7.2	12.9	12.3	14.0	14.8
Misc. Indust. Processes	0.0	0.1	0.2	0.4	0.8	1.3	1.6	1.9	2.9	3.8	5.3	5.9	6.2	12.9	9.0	8.0	9.6	9.0
- Carbon Black Mfg.	0.0	0.0	0.0	0.1	0.4	0.9	1.9	2.5	3.3	2.7	4.2	2.4	2.2	1.6	1.1	0.4	0.4	0.3
SOLID WASTE DISPOSAL (Total)	2.3	2.8	3.2	3.7	4.1	3.8	3.6	3.5	3.4	4.2	4.2	4.9	5.3	5.9	6.2	3.1	2.3	2.1
Incineration	1.5	1.7	1.9	2.1	2.2	1.9	1.7	1.6	1.5	1.8	1.7	1.7	1.8	1.9	1.7	1.4	1.2	1.0
Open Burning	0.8	1.1	1.3	1.6	1.9	1.9	1.9	1.9	1.9	2.4	2.5	3.3	3.5	4.0	4.4	1.6	1.2	1.1
MISCELLANEOUS OTHER SOURCES (Total). .	48.5	38.8	53.0	36.8	41.6	49.3	45.1	48.5	56.4	54.5	52.3	50.7	54.8	41.8	41.5	25.8	33.7	34.8
Wildfires	18.9	18.9	18.9	0.4	3.2	8.7	2.0	4.6	9.0	6.1	0.1	0.8	4.7	0.4	4.6	0.7	10.5	12.5
Prescribed Fires	10.4	10.4	10.4	10.4	10.4	10.4	10.6	10.5	12.9	13.0	16.9	15.1	16.8	14.5	12.6	12.7	11.8	12.1
Other Burning	17.7	7.6	21.4	23.1	24.6	26.8	29.2	30.0	31.0	30.5	30.2	28.9	27.0	20.2	16.3	5.8	4.9	4.5
Organic Solvent Evaporation	1.5	1.9	2.3	2.8	3.4	3.3	3.3	3.4	3.4	4.9	5.1	5.9	6.3	6.6	8.0	6.6	6.5	5.6
TOTAL (ALL SOURCE CATEGORIES)	107.1	99.1	113.9	98.5	105.0	115.0	114.4	117.2	132.5	132.1	158.2	151.1	167.0	162.6	155.8	124.3	133.8	129.2

ACTIVITY INDICATORS 1900-1980 FOR STATE OF MONTANA

SOURCE CATEGORY	1900	1905	1910	1915	1920	1925	1930	1935	1940	1945	1950	1955	1960	1965	1970	1975	1980
BITUMINOUS COAL (1000 TONS)	886.7	1271.0	1652.4	2123.4	2198.4	2323.7	2141.0	1567.0	1501.0	1749.9	468.0	298.0	419.0	546.0	682.0	1252.0	3658.0
ANTHRACITE COAL (1000 TONS)	3.3	4.4	4.8	5.0	5.0	3.8	-1.0	-1.0	-1.0	-1.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
RESIDUAL OIL (1000 BBL)	-3.0	-3.0	-3.0	-3.0	-3.0	249.4	256.3	279.0	256.0	931.0	520.0	631.0	1612.0	826.0	1138.0	2121.0	3907.0
DISTILLATE OIL (1000 BBL)	-3.0	-3.0	-3.0	-3.0	-3.0	35.1	55.2	86.0	188.0	804.0	776.0	968.0	1691.0	1560.0	1289.0	2849.0	1332.0
NATURAL GAS (10E6 CU. FT.)	-4.0	-4.0	-2.0	9.0	926.5	2834.9	8658.0	13399.6	22328.0	30766.0	39441.0	48124.0	53815.0	69533.0	87791.0	79520.0	60724.0
WOOD (1000 TONS)	955.0	907.3	869.0	830.8	792.6	754.4	716.3	687.6	668.5	620.8	573.0	492.0	437.0	462.0	400.0	364.0	690.0
HIGHWAY VEHICLES																	
GASOLINE (1000 GAL)	-1.0	-1.0	-1.0	-1.0	-1.0	27909.0	60620.0	80959.0	109723.0	88298.0	176755.0	229296.0	269646.0	319584.0	-1.0	-1.0	-1.0
DIESEL (1000 GAL)	-1.0	-1.0	-1.0	-1.0	-1.0	-1.0	-1.0	-1.0	-1.0	-1.0	11508.0	14448.0	22218.0	44772.0	59514.0	71694.0	97230.0
VMT (10E6 MILES)	-1.0	-1.0	-1.0	-1.0	-1.0	-1.0	-1.0	-1.0	-1.0	-1.0	-1.0	-1.0	-1.0	-1.0	4867.0	5723.0	6623.0
MISCELLANEOUS																	
RAILROADS-COAL (1000 TONS)	1043.6	1511.3	1889.4	2104.6	2283.1	1836.1	1529.5	1159.4	1216.0	1656.5	903.0	293.0	62.0	30.0	14.0	0.0	0.0
RAILROADS-OIL (1000 BBL)	-1.0	-1.0	-1.0	-1.0	-1.0	1728.5	1625.2	1332.0	1500.0	5739.0	4594.0	2929.0	2540.0	1945.0	1697.0	2037.0	2395.0
COKE PL (1000 TONS COAL)	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
VES FUEL OIL (1000 BBL)	-1.0	-1.0	-1.0	-1.0	-1.0	-1.0	-1.0	-1.0	-1.0	-1.0	0.0	0.0	0.0	1.0	0.0	0.0	0.0
CEMENT PL (1000 TONS)	0.0	0.0	-1.0	-1.0	-1.0	-1.0	-1.0	-1.0	-1.0	-1.0	221.0	302.0	284.0	393.0	523.0	622.0	618.0
POPULATION (1000's)	243.0	309.5	376.0	462.5	549.0	543.5	538.0	548.5	559.0	575.0	591.0	633.0	675.0	684.5	694.0	748.0	826.0
FOREST FIRES (1000 ACRES)	148.8	148.8	148.8	3.3	25.3	68.2	15.6	36.6	80.9	47.9	1.2	6.1	37.6	2.2	24.9	4.7	82.6
CRUDE OIL PROD. (1000 BBL)	0.0	0.0	0.0	0.0	340.0	4091.0	3349.0	4603.0	6728.0	8420.0	8109.0	15654.0	30240.0	32778.0	37879.0	32844.0	29584.0
CRUDE OIL RUN (1000 BBL)	216.9	459.3	702.9	958.4	1510.2	2604.1	3061.9	3293.0	8227.0	10802.0	16057.0	20931.0	26111.0	33091.0	39308.0	42617.0	44222.0
OFF-HIGHWAY VEH. (1000 BBL	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	368.0	356.0	783.0	960.0	609.0	598.0	441.0
LAND AREA (1000 SQ.MI.)	145.6																

NOTE:Negative number indicates missing datum;see footnote at end of table

NEBRASKA VOC EMISSIONS (1000 METRIC TONS)

SOURCE CATEGORY	1900	1905	1910	1915	1920	1925	1930	1935	1940	1945	1950	1955	1960	1965	1970	1975	1980	1985
TRANSPORTATION (Total)	6.3	9.1	10.8	13.5	22.8	35.7	50.8	46.5	49.2	46.2	86.2	94.5	108.1	101.0	112.5	84.9	57.6	49.8
Highway Vehicles	0.1	0.1	0.7	3.6	12.7	27.2	43.7	41.1	43.4	37.3	74.4	83.7	94.8	89.9	95.3	71.4	50.7	43.8
Aircraft	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.5	1.1	1.5	1.9	3.1	1.8	1.4	1.2	1.3
Railroads- Oil-fired	NA	NA	NA	NA	NA	0.3	0.3	0.2	0.4	1.0	1.4	2.1	2.3	1.3	4.0	3.5	2.8	2.0
- Coal-fired	6.2	9.0	10.1	9.9	10.1	8.1	6.8	5.1	5.3	7.3	3.9	1.3	0.2	0.2	0.1	0.0	0.0	0.0
Vessels- Oil-fired	NA	NA	NA	NA	NA	-0.0	-0.0	-0.0	-0.0	-0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
-Coal-fired	NA	NA	NA	NA	NA	NA	NA	NA	0.1	0.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Other Off-Highway Use	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	5.5	5.9	8.8	6.4	11.3	8.6	2.9	2.7
EXTERNAL FUEL COMBUSTION (Total) . . .	23.6	24.3	24.1	23.9	22.4	20.6	17.3	14.7	13.0	11.3	7.6	5.7	4.3	3.0	2.1	2.9	4.5	5.2
Anthracite Coal	1.1	1.5	1.6	1.6	1.6	1.2	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Bituminous Coal	3.1	4.5	5.2	6.0	5.7	5.5	4.7	3.0	2.5	2.3	0.6	0.3	0.3	0.2	0.1	0.1	0.3	0.3
Residual Oil	NA	NA	NA	NA	NA	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Distillate Oil	NA	NA	NA	NA	NA	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.1	0.0	0.0
Natural Gas	NA	NA	0.0	0.0	0.0	0.0	0.0	0.2	0.2	0.3	0.4	0.8	0.8	0.9	0.9	0.9	0.6	0.5
Wood	19.4	18.4	17.3	16.3	15.2	13.9	12.6	11.5	10.3	8.6	6.6	4.5	3.2	1.8	1.0	1.8	3.6	4.3
Coke and Other Fuels	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
INDUSTRIAL PROCESSES (Total)	2.5	3.1	3.7	4.9	8.4	14.0	19.4	19.0	21.5	25.1	44.0	43.1	47.2	60.4	64.9	59.9	56.0	54.7
Petroleum Refinery Process Operations	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.2	0.0	0.0	0.0	0.0	0.0
Manufacture of Petrochemicals	0.0	0.0	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.4	0.6	1.1	1.6	2.4	4.0	4.8	5.2	5.3
Petrol. Production- Crude Oil	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.1	0.7	1.5	1.1	0.7	0.4	0.4	0.4
- Nat.Gas Liquids	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.4	0.8	0.7	0.5	0.3	0.4	0.4
Petrol. Marketing - Gasoline	0.0	0.0	0.1	0.5	1.7	3.7	5.6	5.1	5.2	4.6	9.1	8.2	11.3	11.4	13.4	14.8	11.1	10.3
- Other Prod.	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	1.1	2.5	1.2	1.3	1.9	2.4	2.4	2.2
Surface Coating Operations	2.5	2.6	2.8	2.9	3.0	3.1	3.2	3.1	3.0	5.4	11.7	12.2	13.3	13.2	23.0	20.1	17.3	18.2
Misc. Indust. Processes	0.0	0.4	0.7	1.0	1.8	3.2	4.0	4.7	6.8	8.7	12.0	12.8	12.9	27.3	19.1	16.4	18.7	17.5
- Carbon Black Mfg.	0.0	0.0	0.1	0.5	1.8	3.9	6.4	6.0	6.3	5.9	9.4	5.2	4.5	3.1	2.2	0.8	0.6	0.5
SOLID WASTE DISPOSAL (Total)	10.3	10.2	10.1	9.8	9.6	9.3	9.2	8.6	8.1	9.7	9.5	10.7	11.1	12.5	13.1	6.4	4.5	4.1
Incineration	6.6	6.3	6.0	5.5	5.1	4.7	4.4	3.9	3.5	4.1	3.8	3.6	3.7	4.1	3.7	3.0	2.3	2.0
Open Burning	3.7	3.9	4.1	4.3	4.5	4.6	4.8	4.7	4.6	5.6	5.6	7.1	7.3	8.4	9.5	3.4	2.3	2.0
MISCELLANEOUS OTHER SOURCES (Total). .	21.7	23.0	24.4	25.3	27.0	27.9	29.4	29.6	31.2	34.3	36.2	35.9	38.8	61.8	38.9	31.4	28.0	27.5
Wildfires	0.3	0.3	0.3	0.0	0.6	0.1	0.0	0.0	0.0	0.1	0.1	0.0	2.6	29.6	6.6	8.1	6.6	7.8
Prescribed Fires	5.5	5.5	5.5	5.5	5.4	5.5	5.6	5.5	6.8	6.8	8.9	7.9	8.8	7.6	6.6	6.6	6.2	6.4
Other Burning	9.3	10.3	11.3	12.1	12.9	14.1	15.4	15.8	16.3	16.0	15.9	15.2	14.2	10.6	8.6	3.0	2.6	2.4
Organic Solvent Evaporation	6.6	7.0	7.3	7.7	8.0	8.2	8.5	8.3	8.1	11.3	11.4	12.8	13.2	13.9	17.1	13.7	12.7	10.9
TOTAL (ALL SOURCE CATEGORIES)	64.5	69.8	73.1	77.4	90.2	107.5	126.1	118.4	123.0	126.6	183.5	189.8	209.5	238.7	231.6	185.5	150.6	141.3

ACTIVITY INDICATORS 1900-1980 FOR STATE OF NEBRASKA

SOURCE CATEGORY	1900	1905	1910	1915	1920	1925	1930	1935	1940	1945	1950	1955	1960	1965	1970	1975	1980
BITUMINOUS COAL (1000 TONS)	2056.4	2706.3	3198.0	3705.7	3596.2	3646.3	3260.4	2218.6	2050.6	2175.3	554.0	451.0	570.0	893.0	778.0	1733.0	5029.0
ANTHRACITE COAL (1000 TONS)	344.3	466.3	503.0	527.3	538.0	397.3	-1.0	-1.0	-1.0	-1.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
RESIDUAL OIL (1000 BBL)	-3.0	-3.0	-3.0	-3.0	-3.0	216.9	221.7	257.0	226.0	253.0	210.0	121.0	124.0	204.0	537.0	974.0	78.0
DISTILLATE OIL (1000 BBL)	-3.0	-3.0	-3.0	-3.0	-3.0	247.9	244.0	278.0	565.0	755.0	1284.0	1715.0	2504.0	2323.0	3399.0	3362.0	933.0
NATURAL GAS (10E6 CU. FT.)	-4.0	-4.0	-2.0	-3.0	48.3	100.8	1361.0	12434.2	20087.0	31050.0	73847.0	123223.0	138116.0	167183.0	222335.0	218834.0	163079.0
WOOD (1000 TONS)	370.0	351.5	336.7	321.9	307.1	292.3	277.5	266.4	259.0	240.5	222.0	178.0	150.0	111.0	91.0	161.0	225.0
HIGHWAY VEHICLES																	
GASOLINE (1000 GAL)	-1.0	-1.0	-1.0	-1.0	-1.0	124285.0	204218.0	197521.0	211823.0	191380.0	391385.0	494909.0	550504.0	626782.0	-1.0	-1.0	-1.0
DIESEL (1000 GAL)	-1.0	-1.0	-1.0	-1.0	-1.0	-1.0	-1.0	-1.0	-1.0	-1.0	8526.0	15330.0	11928.0	24602.9	70182.0	107058.0	143892.0
VMT (10E6 MILES)	-1.0	-1.0	-1.0	-1.0	-1.0	-1.0	-1.0	-1.0	-1.0	-1.0	-1.0	-1.0	-1.0	-1.0	9600.0	11211.0	11255.0
MISCELLANEOUS																	
RAILROADS-COAL (1000 TONS)	1507.8	1975.6	2208.8	2165.2	2220.2	1785.2	1487.7	1126.7	1181.7	1610.3	878.0	285.0	60.0	29.0	13.0	0.0	0.0
RAILROADS-OIL (1000 BBL)	-1.0	-1.0	-1.0	-1.0	-1.0	231.0	217.2	178.0	234.0	630.0	796.0	1257.0	1362.0	778.0	2342.0	2043.0	1629.0
COKE PL (1000 TONS COAL)	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
VES FUEL OIL (1000 BBL)	-1.0	-1.0	-1.0	-1.0	-1.0	-1.0	-1.0	-1.0	-1.0	-1.0	0.0	0.0	0.0	0.8	6.3	0.0	2.8
CEMENT PL (1000 TONS)	0.0	0.0	0.0	-1.0	-1.0	-1.0	-1.0	-1.0	-1.0	-1.0	418.0	528.0	599.0	657.0	846.0	914.0	584.0
POPULATION (1000's)	1066.0	1129.0	1192.0	1244.0	1296.0	1337.0	1378.0	1347.0	1316.0	1321.0	1326.0	1368.5	1411.0	1447.0	1483.0	1543.0	1606.0
FOREST FIRES (1000 ACRES)	2.4	2.4	2.4	0.0	4.8	0.4	-1.0	-1.0	-1.0	0.6	1.0	0.1	21.1	167.9	36.0	53.9	51.6
CRUDE OIL PROD. (1000 BBL)	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	276.0	385.0	1547.0	11203.0	23625.0	17216.0	11451.0	6120.0	6240.0
CRUDE OIL RUN (1000 BBL)	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	908.0	0.0	0.0	0.0	0.0
OFF-HIGHWAY VEH. (1000 BBL	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	187.0	274.0	661.0	604.0	1033.0	832.0	272.0
LAND AREA (1000 SQ.MI.)	76.5																

NOTE:Negative number indicates missing datum;see footnote at end of table

NEVADA VOC EMISSIONS (1000 METRIC TONS)

SOURCE CATEGORY	1900	1905	1910	1915	1920	1925	1930	1935	1940	1945	1950	1955	1960	1965	1970	1975	1980	1985
TRANSPORTATION (Total)	1.0	1.9	2.7	3.5	4.5	11.0	11.8	11.8	14.8	19.3	26.6	27.4	34.2	42.6	39.3	31.3	31.8	27.6
Highway Vehicles	0.0	0.0	0.1	0.3	0.9	2.0	3.6	5.2	7.9	7.1	15.0	21.2	28.9	36.6	34.3	28.3	27.5	23.8
Aircraft	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.1	0.1	0.2	0.4	0.8	0.6	0.5	0.7	0.7
Railroads- Oil-fired	NA	NA	NA	NA	NA	6.2	5.8	4.7	5.0	9.5	6.0	3.2	2.0	2.1	1.2	0.4	1.5	1.1
- Coal-fired	1.0	1.9	2.6	3.2	3.6	2.9	2.4	1.8	1.9	2.6	1.4	0.5	0.1	0.1	0.1	0.0	0.0	0.0
Vessels- Oil-fired	NA	NA	NA	NA	NA	-0.0	-0.0	-0.0	-0.0	-0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
-Coal-fired	NA	NA	NA	NA	NA	NA	NA	NA	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Other Off-Highway Use	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	4.0	2.2	2.7	3.0	3.1	2.0	2.1	2.0
EXTERNAL FUEL COMBUSTION (Total) . . .	7.9	7.6	7.3	7.1	6.7	6.2	5.6	4.9	4.4	3.7	2.7	1.9	1.3	1.1	1.0	1.4	2.6	3.0
Anthracite Coal	0.0	0.0	0.0	0.0	0.0	0.0	-0.0	-0.0	-0.0	-0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Bituminous Coal	0.2	0.3	0.4	0.5	0.6	0.7	0.5	0.3	0.3	0.2	0.1	0.0	0.0	0.1	0.1	0.3	0.3	0.3
Residual Oil	NA	NA	NA	NA	NA	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Distillate Oil	NA	NA	NA	NA	NA	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Natural Gas	NA	NA	-0.0	-0.0	-0.0	-0.0	-0.0	-0.0	-0.0	-0.0	0.0	0.1	0.1	0.2	0.2	0.3	0.2	0.2
Wood	7.8	7.4	7.0	6.5	6.1	5.6	5.1	4.6	4.1	3.5	2.6	1.7	1.2	0.8	0.7	0.8	2.0	2.5
Coke and Other Fuels	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
INDUSTRIAL PROCESSES (Total)	0.1	0.2	0.3	0.3	0.5	1.0	1.5	2.0	2.9	3.5	6.5	7.3	9.7	16.1	22.7	24.0	33.6	33.0
Petroleum Refinery Process Operations	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Manufacture of Petrochemicals	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.1	0.2	0.3	0.6	1.3	1.9	3.0	3.1
Petrol. Production- Crude Oil	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.1	0.1
- Nat.Gas Liquids	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.1
Petrol. Marketing - Gasoline	0.0	0.0	0.0	0.0	0.1	0.3	0.5	0.6	0.9	0.9	1.7	2.1	3.3	4.5	4.8	5.8	6.0	5.6
- Other Prod.	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	0.9	0.8	1.0	0.8	1.0	1.0	1.3	1.2
Surface Coating Operations	0.1	0.1	0.2	0.2	0.2	0.2	0.2	0.2	0.3	0.6	0.7	0.9	1.2	1.6	8.4	8.3	11.9	12.6
Misc. Indust. Processes	0.0	0.0	0.0	0.1	0.1	0.2	0.3	0.4	0.6	0.9	1.4	2.1	2.6	7.3	6.3	6.6	10.9	10.2
- Carbon Black Mfg.	0.0	0.0	0.0	0.0	0.1	0.3	0.5	0.8	1.2	1.1	1.8	1.3	1.3	1.3	0.8	0.3	0.3	0.3
SOLID WASTE DISPOSAL (Total)	0.4	0.6	0.7	0.6	0.6	0.6	0.6	0.6	0.7	1.0	1.1	1.7	2.2	3.4	4.3	2.6	2.6	2.4
Incineration	0.3	0.3	0.4	0.4	0.3	0.3	0.3	0.3	0.3	0.4	0.5	0.6	0.8	1.1	1.2	1.2	1.3	1.2
Open Burning	0.1	0.2	0.3	0.3	0.3	0.3	0.3	0.3	0.4	0.6	0.7	1.2	1.5	2.3	3.1	1.4	1.3	1.2
MISCELLANEOUS OTHER SOURCES (Total). .	21.6	18.6	24.6	25.9	27.0	28.7	30.7	31.5	35.1	36.2	38.9	35.9	36.6	32.4	28.7	24.5	30.6	31.6
Wildfires	0.1	0.1	0.1	0.1	0.1	0.0	0.1	0.3	1.3	2.2	1.9	0.6	0.9	2.4	1.2	5.2	10.6	12.7
Prescribed Fires	7.8	7.8	7.8	7.8	7.8	7.9	8.0	7.9	9.8	9.8	12.8	11.4	12.7	11.0	9.5	9.6	8.9	9.2
Other Burning	13.4	10.3	16.2	17.4	18.6	20.3	22.1	22.7	23.4	23.0	22.8	21.8	20.4	15.3	12.3	4.3	3.7	3.4
Organic Solvent Evaporation	0.3	0.4	0.5	0.5	0.5	0.5	0.6	0.6	0.7	1.2	1.4	2.1	2.7	3.7	5.6	5.5	7.4	6.4
TOTAL (ALL SOURCE CATEGORIES)	31.1	28.9	35.6	37.4	39.3	47.4	50.2	50.9	58.0	63.6	75.9	74.2	84.0	95.5	96.1	83.8	101.3	97.6

ACTIVITY INDICATORS 1900-1980 FOR STATE OF NEVADA

SOURCE CATEGORY	1900	1905	1910	1915	1920	1925	1930	1935	1940	1945	1950	1955	1960	1965	1970	1975	1980
BITUMINOUS COAL (1000 TONS)	105.3	167.7	239.1	330.1	376.3	432.2	372.3	252.9	220.8	206.0	73.0	63.0	54.0	275.0	653.0	4512.0	4638.0
ANTHRACITE COAL (1000 TONS)	0.0	0.0	0.0	0.0	0.0	0.0	-1.0	-1.0	-1.0	-1.0	0.0	0.0	0.0	0.0	0.0	0.0	2.0
RESIDUAL OIL (1000 BBL)	-3.0	-3.0	-3.0	-3.0	-3.0	103.3	101.0	106.0	98.0	401.0	226.0	87.0	171.0	74.0	139.0	1450.0	2502.0
DISTILLATE OIL (1000 BBL)	-3.0	-3.0	-3.0	-3.0	-3.0	56.4	72.6	99.0	116.0	183.0	300.0	377.0	715.0	913.0	1041.0	1000.0	926.0
NATURAL GAS (10E6 CU. FT.)	-4.0	-4.0	-2.0	-2.0	-1.0	-1.0	-1.0	-1.0	-1.0	-1.0	0.0	15928.0	12585.0	27989.0	52558.0	61251.0	58454.0
WOOD (1000 TONS)	148.3	140.9	135.0	129.0	123.1	117.2	111.3	106.8	103.8	96.4	89.0	68.0	55.0	51.0	61.0	72.0	128.0
HIGHWAY VEHICLES																	
GASOLINE (1000 GAL)	-1.0	-1.0	-1.0	-1.0	-1.0	8929.0	17030.0	25072.0	38694.0	36354.0	72861.0	124313.0	159783.0	250077.0	-1.0	-1.0	-1.0
DIESEL (1000 GAL)	-1.0	-1.0	-1.0	-1.0	-1.0	-1.0	-1.0	-1.0	-1.0	-1.0	7896.0	4956.0	11844.0	15372.0	35742.0	45024.0	76896.0
VMT (10E6 MILES)	-1.0	-1.0	-1.0	-1.0	-1.0	-1.0	-1.0	-1.0	-1.0	-1.0	-1.0	-1.0	-1.0	-1.0	3460.0	4439.0	6107.0
MISCELLANEOUS																	
RAILROADS-COAL (1000 TONS)	252.2	412.0	572.9	704.5	793.9	638.5	531.9	402.9	423.0	576.1	314.0	102.0	21.0	11.0	5.0	0.0	0.0
RAILROADS-OIL (1000 BBL)	-1.0	-1.0	-1.0	-1.0	-1.0	4503.0	4233.8	3470.0	2929.0	6170.0	3546.0	1979.0	1192.0	1204.0	698.0	253.0	898.0
COKE PL (1000 TONS COAL)	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
VES FUEL OIL (1000 BBL)	-1.0	-1.0	-1.0	-1.0	-1.0	-1.0	-1.0	-1.0	-1.0	-1.0	0.0	0.3	0.0	0.0	0.0	0.0	0.0
CEMENT PL (1000 TONS)	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	330.0	383.0	457.0
POPULATION (1000's)	42.0	62.0	82.0	79.5	77.0	84.0	91.0	100.5	110.0	135.0	160.0	222.5	285.0	387.0	489.0	620.0	936.0
FOREST FIRES (1000 ACRES)	0.6	0.6	0.6	1.2	0.6	0.0	0.4	2.5	11.6	17.0	24.5	4.7	7.1	13.7	6.7	34.3	83.6
CRUDE OIL PROD. (1000 BBL)	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	64.0	27.0	209.0	149.0	115.0	880.0
CRUDE OIL RUN (1000 BBL)	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
OFF-HIGHWAY VEH. (1000 BBL	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	137.0	103.0	205.0	282.0	288.0	193.0	194.0
LAND AREA (1000 SQ.MI.)	109.9																

NOTE:Negative number indicates missing datum;see footnote at end of table

NEW HAMPSHIRE VOC EMISSIONS (1000 METRIC TONS)

SOURCE CATEGORY	1900	1905	1910	1915	1920	1925	1930	1935	1940	1945	1950	1955	1960	1965	1970	1975	1980	1985
TRANSPORTATION (Total)	1.6	2.4	3.0	4.0	6.8	10.4	15.7	16.9	20.7	16.7	26.6	30.0	35.4	36.4	46.3	35.0	30.9	26.9
Highway Vehicles	0.0	0.0	0.2	1.0	3.6	7.7	13.4	15.1	18.7	13.5	24.1	27.7	34.0	34.5	44.0	33.7	28.9	25.0
Aircraft	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.2	0.4	0.6	0.8	1.4	0.9	0.7	0.8	0.8
Railroads- Oil-fired	NA	NA	NA	NA	NA	0.0	0.0	0.0	0.0	0.0	0.2	0.2	0.1	0.0	0.0	0.0	0.0	0.0
- Coal-fired	1.5	2.3	2.8	3.0	3.2	2.6	2.3	1.8	2.0	3.0	1.3	0.3	0.0	0.0	0.0	0.0	0.0	0.0
Vessels- Oil-fired	NA	NA	NA	NA	NA	-0.0	-0.0	-0.0	-0.0	-0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.1	0.1
-Coal-fired	NA	NA	NA	NA	NA	NA	NA	NA	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Other Off-Highway Use	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	0.7	1.2	0.4	0.5	1.3	0.6	1.1	1.0
EXTERNAL FUEL COMBUSTION (Total) . . .	63.7	62.4	59.9	57.1	53.5	48.0	42.5	37.9	34.1	29.5	20.7	17.0	13.9	10.8	8.3	8.6	20.5	24.8
Anthracite Coal	4.2	5.5	5.8	6.0	6.0	4.4	3.0	2.2	1.9	2.2	0.7	0.4	0.3	0.1	0.0	0.0	0.0	0.0
Bituminous Coal	0.7	1.0	1.2	1.5	1.5	1.4	1.2	0.8	0.8	0.9	0.1	0.1	0.1	0.1	0.2	0.1	0.1	0.1
Residual Oil	NA	NA	NA	NA	NA	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.1	0.1	0.1	0.0
Distillate Oil	NA	NA	NA	NA	NA	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.1	0.1	0.1	0.1	0.1	0.1
Natural Gas	NA	NA	-0.0	-0.0	-0.0	-0.0	-0.0	-0.0	-0.0	-0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Wood	58.9	55.8	52.8	49.6	46.1	42.2	38.3	34.8	31.3	26.3	19.9	16.4	13.4	10.5	7.9	8.3	20.3	24.6
Coke and Other Fuels	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
INDUSTRIAL PROCESSES (Total)	1.0	1.2	1.3	1.7	2.7	4.4	6.2	6.9	8.7	9.5	13.6	13.1	15.1	22.7	23.6	22.9	27.0	26.0
Petroleum Refinery Process Operations	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Manufacture of Petrochemicals	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.1	0.2	0.2	0.4	0.7	1.1	2.0	2.6	3.2	3.3
Petrol. Production- Crude Oil	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
- Nat.Gas Liquids	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Petrol. Marketing - Gasoline	0.0	0.0	0.0	0.1	0.5	1.1	1.7	1.9	2.2	1.7	3.0	2.8	4.1	4.4	6.2	7.0	6.4	5.9
- Other Prod.	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	0.3	0.4	0.7	0.6	0.5	0.5	0.5	0.5
Surface Coating Operations	1.0	1.0	1.0	1.0	1.0	1.0	1.1	1.1	1.1	2.1	2.2	2.4	2.5	2.7	4.4	3.7	4.9	5.1
Misc. Indust. Processes	0.0	0.2	0.2	0.3	0.6	1.1	1.4	1.7	2.5	3.4	4.8	5.3	5.6	12.7	9.5	8.8	11.6	10.9
- Carbon Black Mfg.	0.0	0.0	0.0	0.1	0.5	1.1	2.0	2.2	2.7	2.1	3.1	1.8	1.6	1.2	1.0	0.4	0.3	0.3
SOLID WASTE DISPOSAL (Total)	4.0	3.8	3.6	3.5	3.3	3.2	3.1	3.1	3.0	3.8	3.8	4.5	4.8	5.8	6.5	3.4	2.8	2.5
Incineration	2.6	2.4	2.2	1.9	1.7	1.6	1.5	1.4	1.3	1.6	1.5	1.5	1.6	1.9	1.8	1.6	1.4	1.3
Open Burning	1.4	1.5	1.5	1.5	1.5	1.6	1.6	1.7	1.7	2.2	2.3	3.0	3.2	3.9	4.7	1.8	1.4	1.3
MISCELLANEOUS OTHER SOURCES (Total). .	5.1	14.4	5.4	5.8	5.5	5.7	7.8	5.8	6.0	7.2	8.0	8.1	8.4	8.9	10.4	8.5	9.0	7.9
Wildfires	0.8	0.8	0.8	1.0	0.6	0.6	2.5	0.3	0.2	0.1	0.5	0.1	0.0	0.2	0.1	0.1	0.1	0.1
Prescribed Fires	0.6	0.6	0.6	0.6	0.6	0.6	0.7	0.6	0.8	0.8	1.0	0.9	1.0	0.9	0.8	0.8	0.7	0.8
Other Burning	1.1	10.3	1.3	1.4	1.5	1.7	1.8	1.9	1.9	1.9	1.9	1.8	1.7	1.3	1.0	0.4	0.3	0.3
Organic Solvent Evaporation	2.5	2.6	2.7	2.7	2.7	2.8	2.9	3.0	3.0	4.4	4.6	5.3	5.7	6.5	8.5	7.3	7.9	6.8
TOTAL (ALL SOURCE CATEGORIES)	75.4	84.1	73.3	72.0	71.7	71.6	75.3	70.6	72.6	66.6	72.7	72.6	77.6	84.7	95.0	78.5	90.1	88.1

ACTIVITY INDICATORS 1900-1980 FOR STATE OF NEW HAMPSHIRE

SOURCE CATEGORY	1900	1905	1910	1915	1920	1925	1930	1935	1940	1945	1950	1955	1960	1965	1970	1975	1980
BITUMINOUS COAL (1000 TONS)	450.3	618.6	762.6	911.4	925.3	926.9	796.2	611.6	685.2	825.8	53.0	105.0	211.0	490.0	1239.0	1058.0	1148.0
ANTHRACITE COAL (1000 TONS)	1284.2	1739.6	1876.3	1967.0	1984.4	1481.9	515.7	389.7	648.4	695.3	274.0	142.0	100.0	42.0	9.0	4.0	3.0
RESIDUAL OIL (1000 BBL)	-3.0	-3.0	-3.0	-3.0	-3.0	430.4	379.4	359.0	588.0	307.0	1617.0	2159.0	2272.0	2397.0	5510.0	4799.0	5387.0
DISTILLATE OIL (1000 BBL)	-3.0	-3.0	-3.0	-3.0	-3.0	394.4	558.7	820.0	1051.0	953.0	1728.0	1528.0	5076.0	6418.0	7994.0	7162.0	5281.0
NATURAL GAS (10E6 CU. FT.)	-4.0	-4.0	-2.0	-2.0	-1.0	-1.0	-1.0	-1.0	-1.0	-1.0	0.0	1206.0	2889.0	4257.0	4487.0	5343.0	9474.0
WOOD (1000 TONS)	1125.0	1068.8	1023.8	978.8	933.8	888.8	843.8	810.0	787.5	731.3	675.0	654.0	631.0	640.0	716.0	747.0	1275.0
HIGHWAY VEHICLES																	
GASOLINE (1000 GAL)	-1.0	-1.0	-1.0	-1.0	-1.0	35380.0	62671.0	72653.0	91413.0	69069.0	128600.0	167644.0	198313.0	243704.0	-1.0	-1.0	-1.0
DIESEL (1000 GAL)	-1.0	-1.0	-1.0	-1.0	-1.0	-1.0	-1.0	-1.0	-1.0	-1.0	798.0	1134.0	3528.0	5880.0	10374.0	16674.0	27552.0
VMT (10E6 MILES)	-1.0	-1.0	-1.0	-1.0	-1.0	-1.0	-1.0	-1.0	-1.0	-1.0	-1.0	-1.0	-1.0	-1.0	4436.0	5290.0	6427.0
MISCELLANEOUS																	
RAILROADS-COAL (1000 TONS)	371.4	513.9	612.1	649.1	701.0	581.6	499.3	391.0	438.0	651.8	281.0	57.0	7.0	0.0	0.0	0.0	0.0
RAILROADS-OIL (1000 BBL)	-1.0	-1.0	-1.0	-1.0	-1.0	1.3	1.2	1.0	1.0	5.0	97.0	134.0	79.0	7.0	19.0	0.0	7.0
COKE PL (1000 TONS COAL)	24.9	29.2	37.0	34.9	47.8	55.2	66.3	55.6	101.7	132.5	0.0	0.0	0.0	0.0	0.0	0.0	0.0
VES FUEL OIL (1000 BBL)	-1.0	-1.0	-1.0	-1.0	-1.0	-1.0	-1.0	-1.0	-1.0	-1.0	0.5	5.5	1.5	0.0	1.0	0.5	14.8
CEMENT PL (1000 TONS)	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
POPULATION (1000's)	412.0	421.5	431.0	437.0	443.0	454.0	465.0	478.5	492.0	512.5	533.0	570.0	607.0	672.5	738.0	829.0	998.0
FOREST FIRES (1000 ACRES)	6.4	6.4	6.4	8.1	4.6	4.6	19.6	2.7	2.0	1.1	6.1	0.7	0.2	1.4	0.3	0.4	0.6
CRUDE OIL PROD. (1000 BBL)	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
CRUDE OIL RUN (1000 BBL)	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
OFF-HIGHWAY VEH. (1000 BBL	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	23.0	54.0	31.0	49.0	120.0	57.0	99.0
LAND AREA (1000 SQ.MI.)	9.0																

NOTE:Negative number indicates missing datum;see footnote at end of table

NEW JERSEY VOC EMISSIONS (1000 METRIC TONS)

SOURCE CATEGORY	1900	1905	1910	1915	1920	1925	1930	1935	1940	1945	1950	1955	1960	1965	1970	1975	1980	1985
TRANSPORTATION (Total)	13.8	23.9	33.7	47.2	73.8	105.7	160.8	161.7	211.0	182.7	260.7	314.9	377.0	389.1	417.8	336.2	262.9	232.5
Highway Vehicles	0.3	0.3	1.7	8.6	29.9	64.3	123.0	131.8	178.2	124.0	230.7	288.9	353.8	355.1	396.0	308.4	226.3	195.6
Aircraft	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.1	0.1	1.7	3.9	5.9	8.3	14.1	8.8	6.5	5.8	5.9
Railroads- Oil-fired	NA	NA	NA	NA	NA	0.1	0.1	0.1	0.5	0.6	1.5	2.9	2.5	2.3	2.3	1.9	0.5	0.4
- Coal-fired	13.5	23.6	32.1	38.6	43.9	36.4	31.3	24.5	26.9	40.7	17.2	3.5	0.3	0.0	0.0	0.0	0.0	0.0
Vessels- Oil-fired	NA	NA	NA	NA	NA	4.8	6.3	5.3	5.1	15.4	3.2	8.6	8.5	11.7	1.8	15.5	23.2	24.0
-Coal-fired	NA	NA	NA	NA	NA	NA	NA	NA	0.3	0.2	0.2	0.1	0.1	0.1	0.1	0.0	0.0	0.0
Other Off-Highway Use	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	4.1	4.9	3.5	5.9	8.8	3.9	7.1	6.7
EXTERNAL FUEL COMBUSTION (Total) . . .	130.2	132.1	129.4	126.2	120.3	107.2	116.5	98.2	88.6	81.9	59.8	44.1	33.1	29.6	23.8	24.8	48.5	57.9
Anthracite Coal	17.7	23.5	24.9	25.6	25.4	18.5	36.5	27.1	23.5	25.6	12.7	8.7	4.4	2.4	0.8	0.1	0.1	0.1
Bituminous Coal	2.7	4.6	6.2	8.0	8.9	9.6	8.1	5.7	6.1	6.5	4.3	3.5	2.2	2.0	0.7	0.2	0.2	0.2
Residual Oil	NA	NA	NA	NA	NA	0.3	0.2	0.2	0.3	0.3	0.5	0.4	0.5	0.5	0.9	0.6	0.5	0.2
Distillate Oil	NA	NA	NA	NA	NA	0.0	0.1	0.1	0.1	0.3	0.3	0.3	0.4	0.6	0.8	1.0	0.6	0.4
Natural Gas	NA	NA	-0.0	-0.0	-0.0	-0.0	-0.0	-0.0	-0.0	-0.0	4.5	0.6	0.9	1.2	1.4	1.0	1.2	1.1
Wood	109.7	103.9	98.2	92.4	85.8	78.5	71.4	64.8	58.3	48.9	37.1	30.4	24.7	22.9	19.3	21.9	45.9	55.8
Coke and Other Fuels	0.1	0.1	0.1	0.1	0.2	0.2	0.3	0.2	0.3	0.3	0.3	0.2	0.1	0.0	0.0	0.0	0.0	0.0
INDUSTRIAL PROCESSES (Total)	28.9	30.2	28.2	23.9	32.8	54.6	77.1	81.8	102.9	110.9	160.2	164.1	186.6	261.5	257.1	243.0	245.9	229.7
Petroleum Refinery Process Operations	0.2	3.9	5.9	7.8	12.6	19.2	21.6	21.9	24.2	26.3	32.8	32.8	32.2	33.9	30.9	36.0	37.8	29.4
Manufacture of Petrochemicals	0.0	0.1	0.1	0.1	0.2	0.3	0.4	0.4	0.5	1.3	2.1	4.3	6.7	10.9	19.4	22.7	24.3	24.8
Petrol. Production- Crude Oil	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
- Nat.Gas Liquids	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Petrol. Marketing - Gasoline	0.0	0.0	0.2	1.2	4.1	8.8	15.9	16.4	21.2	15.4	28.3	28.7	41.6	44.2	55.8	63.8	49.7	45.9
- Other Prod.	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	4.3	6.6	8.8	8.8	7.2	6.7	6.4	5.7
Surface Coating Operations	28.6	25.3	20.2	11.3	7.3	8.3	9.3	9.5	9.6	18.6	20.0	22.5	25.1	26.6	42.4	32.3	37.0	39.0
Misc. Indust. Processes	0.0	0.8	1.4	2.2	4.3	8.5	11.8	14.4	21.5	29.8	43.6	51.0	55.5	124.9	92.5	78.0	88.1	82.4
- Carbon Black Mfg.	0.0	0.0	0.2	1.2	4.3	9.3	18.2	19.2	25.9	19.5	29.1	18.3	16.8	12.2	9.0	3.4	2.7	2.4
SOLID WASTE DISPOSAL (Total)	18.2	20.0	21.5	22.5	23.3	25.1	26.8	26.2	25.6	33.1	34.6	42.6	47.5	57.3	63.6	30.2	21.4	19.2
Incineration	11.7	12.3	12.7	12.6	12.4	12.6	12.8	12.0	11.2	14.0	14.0	14.3	16.0	18.7	17.7	14.1	10.6	9.6
Open Burning	6.5	7.7	8.8	9.9	10.9	12.5	14.0	14.2	14.4	19.2	20.6	28.3	31.5	38.6	45.8	16.1	10.8	9.6
MISCELLANEOUS OTHER SOURCES (Total). .	19.7	31.1	23.9	25.8	26.0	33.0	61.2	35.8	29.9	42.2	44.9	55.8	61.4	68.4	84.8	66.6	61.9	53.8
Wildfires	6.7	6.7	6.7	6.6	4.8	8.9	34.4	8.4	2.0	1.4	0.9	2.7	2.5	2.9	0.6	0.8	1.4	1.7
Prescribed Fires	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.7	0.7	0.9	0.8	0.9	0.7	0.6	0.7	0.6	0.6
Other Burning	0.9	10.3	1.1	1.2	1.3	1.4	1.4	1.5	1.6	1.6	1.6	1.5	1.4	1.0	0.8	0.3	0.3	0.2
Organic Solvent Evaporation	11.6	13.6	15.6	17.5	19.4	22.2	24.9	25.3	25.7	38.6	41.5	50.8	56.6	63.7	82.6	65.0	59.6	51.3
TOTAL (ALL SOURCE CATEGORIES)	210.9	237.3	236.8	245.6	276.3	325.5	442.4	403.7	458.0	450.7	560.1	621.5	705.6	806.0	847.1	700.8	640.5	593.2

ACTIVITY INDICATORS 1900-1980 FOR STATE OF NEW JERSY

SOURCE CATEGORY	1900	1905	1910	1915	1920	1925	1930	1935	1940	1945	1950	1955	1960	1965	1970	1975	1980
BITUMINOUS COAL (1000 TONS)	1780.0	2753.3	3773.9	4955.9	5630.1	6335.4	5566.4	4223.1	5001.8	6017.9	4134.0	5054.0	4755.0	8444.0	4617.0	2368.0	2805.0
ANTHRACITE COAL (1000 TONS)	5467.7	7406.6	7988.6	8375.0	8449.2	6309.4	6287.8	4751.1	7906.1	7963.5	5297.0	3345.0	1537.0	1094.0	437.0	103.0	75.0
RESIDUAL OIL (1000 BBL)	-3.0	-3.0	-3.0	-3.0	-3.0	19793.0	18051.3	17536.0	18997.0	20633.0	35093.0	30892.0	37103.0	35938.0	74657.0	46137.0	40430.0
DISTILLATE OIL (1000 BBL)	-3.0	-3.0	-3.0	-3.0	-3.0	1934.0	2529.2	3493.0	4665.0	12007.0	11378.0	10640.0	42468.0	48832.0	55655.0	50308.0	41135.0
NATURAL GAS (10E6 CU. FT.)	-4.0	-4.0	-2.0	-2.0	-1.0	-1.0	-1.0	-1.0	-1.0	-1.0	761372.0	88665.0	150276.0	222204.0	322853.0	244102.0	339825.0
WOOD (1000 TONS)	2095.0	1990.3	1906.4	1822.6	1738.8	1655.0	1571.3	1508.4	1466.5	1361.8	1257.0	1211.0	1165.0	1396.0	1752.0	1964.0	2889.0
HIGHWAY VEHICLES																	
GASOLINE (1000 GAL)	-1.0	-1.0	-1.0	-1.0	-1.0	293827.0	574856.0	634163.0	869669.0	635748.0	1212368.0	1726035.0	2031383.0	2438713.0	-1.0	-1.0	-1.0
DIESEL (1000 GAL)	-1.0	-1.0	-1.0	-1.0	-1.0	-1.0	-1.0	-1.0	-1.0	-1.0	27258.0	34860.0	67410.0	133182.0	221130.0	259770.0	338772.0
VMT (10E6 MILES)	-1.0	-1.0	-1.0	-1.0	-1.0	-1.0	-1.0	-1.0	-1.0	-1.0	-1.0	-1.0	-1.0	-1.0	39892.0	48445.0	50264.0
MISCELLANEOUS																	
RAILROADS-COAL (1000 TONS)	3275.3	5188.1	7048.2	8482.9	9646.2	7998.4	6876.0	5381.2	6019.4	8954.9	3863.0	784.0	95.0	0.0	0.0	0.0	0.0
RAILROADS-OIL (1000 BBL)	-1.0	-1.0	-1.0	-1.0	-1.0	50.6	47.6	39.0	287.0	406.0	903.0	1785.0	1481.0	1343.0	1365.0	1120.0	286.0
COKE PL (1000 TONS COAL)	210.5	283.9	411.8	456.2	788.0	1069.6	1165.7	794.6	1200.4	1313.9	2062.0	1377.0	557.0	395.0	334.0	0.0	0.0
VES FUEL OIL (1000 BBL)	-1.0	-1.0	-1.0	-1.0	-1.0	16109.3	19125.1	15153.0	14102.0	29113.0	1939.3	2473.1	1454.6	1171.5	1935.6	1177.5	3450.5
CEMENT PL (1000 TONS)	220.0	687.0	787.0	297.0	-1.0	-1.0	-1.0	-1.0	-1.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
POPULATION (1000's)	1884.0	2210.5	2537.0	2846.5	3156.0	3598.5	4041.0	4100.5	4160.0	4497.5	4835.0	5451.0	6067.0	6617.5	7168.0	7338.0	7562.0
FOREST FIRES (1000 ACRES)	52.5	52.5	52.5	51.7	37.4	70.0	270.7	66.4	17.5	10.8	12.0	21.5	20.4	16.5	3.5	5.0	10.9
CRUDE OIL PROD. (1000 BBL)	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
CRUDE OIL RUN (1000 BBL)	3961.1	8387.7	12834.6	17501.5	27577.3	47552.2	55913.2	60133.0	71872.0	95074.0	128496.0	130498.0	135610.0	158938.0	170858.0	186487.0	192580.0
OFF-HIGHWAY VEH. (1000 BBL	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	139.0	228.0	263.0	552.0	805.0	375.0	665.0
LAND AREA (1000 SQ.MI.)	7.5																

NOTE:Negative number indicates missing datum;see footnote at end of table

NEW MEXICO VOC EMISSIONS (1000 METRIC TONS)

SOURCE CATEGORY	1900	1905	1910	1915	1920	1925	1930	1935	1940	1945	1950	1955	1960	1965	1970	1975	1980	1985
TRANSPORTATION (Total)	1.5	2.9	4.3	5.9	8.0	9.4	15.0	16.0	23.5	26.3	51.7	61.8	83.7	86.1	87.6	77.2	66.7	58.5
Highway Vehicles	0.0	0.0	0.1	0.5	1.9	4.1	10.6	12.6	19.9	19.8	40.8	53.7	76.1	73.3	74.1	63.1	50.9	44.0
Aircraft	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.2	0.5	0.9	1.3	2.1	1.3	1.0	1.1	1.1
Railroads- Oil-fired	NA	NA	NA	NA	NA	0.4	0.4	0.3	0.5	1.9	1.8	1.8	1.7	3.1	2.4	2.4	2.4	1.8
- Coal-fired	1.5	2.9	4.2	5.3	6.1	4.9	4.1	3.1	3.2	4.4	2.4	0.8	0.1	0.2	0.1	0.0	0.0	0.0
Vessels- Oil-fired	NA	NA	NA	NA	NA	-0.0	-0.0	-0.0	-0.0	-0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
-Coal-fired	NA	NA	NA	NA	NA	NA	NA	NA	0.0	0.0	0.0	0.0	0.0	0.0	0.1	0.0	0.0	0.0
Other Off-Highway Use	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	6.2	4.6	4.5	7.4	9.7	10.6	12.2	11.6
EXTERNAL FUEL COMBUSTION (Total) . . .	51.0	48.6	46.2	43.7	40.7	37.4	33.9	30.9	27.8	23.9	18.4	13.4	9.6	7.2	5.1	5.1	10.2	12.1
Anthracite Coal	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Bituminous Coal	0.2	0.4	0.6	0.8	0.9	1.0	0.9	0.6	0.5	0.4	0.3	0.1	0.1	0.5	0.9	0.6	0.6	0.8
Residual Oil	NA	NA	NA	NA	NA	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Distillate Oil	NA	NA	NA	NA	NA	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.1	0.0	0.0
Natural Gas	NA	NA	-0.0	-0.0	0.0	0.0	0.0	0.4	0.4	0.9	0.9	1.6	1.3	1.4	1.1	1.0	0.8	0.7
Wood	50.7	48.0	45.4	42.7	39.7	36.3	33.0	30.0	27.0	22.6	17.2	11.6	8.2	5.4	3.1	3.5	8.7	10.6
Coke and Other Fuels	0.1	0.2	0.2	0.2	0.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
INDUSTRIAL PROCESSES (Total)	0.5	0.8	1.1	1.4	2.2	3.6	6.4	8.3	12.9	16.7	25.8	32.3	45.4	56.0	57.1	56.5	62.3	60.1
Petroleum Refinery Process Operations	0.0	0.1	0.1	0.2	0.3	0.4	0.5	0.5	0.6	1.2	1.3	1.9	2.1	2.5	2.6	3.4	3.8	3.0
Manufacture of Petrochemicals	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.1	0.2	0.3	0.6	1.1	1.6	2.7	3.6	4.7	4.8
Petrol. Production- Crude Oil	0.0	0.0	0.0	0.0	0.0	0.1	0.6	1.3	2.5	2.4	3.0	5.2	6.7	7.5	8.1	6.0	4.8	4.9
- Nat.Gas Liquids	0.0	0.0	0.0	0.0	0.0	0.0	0.1	0.2	0.5	0.9	1.1	2.8	3.5	4.7	5.7	4.8	4.3	4.4
Petrol. Marketing - Gasoline	0.0	0.0	0.0	0.1	0.3	0.6	1.4	1.6	2.4	2.5	4.9	5.2	8.6	9.0	10.4	13.1	11.2	10.3
- Other Prod.	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	1.3	2.2	2.8	1.7	1.9	2.4	2.8	2.5
Surface Coating Operations	0.5	0.6	0.8	0.8	0.8	0.9	1.0	1.1	1.2	2.5	2.8	3.4	8.6	8.0	10.8	10.3	13.3	14.0
Misc. Indust. Processes	0.0	0.1	0.2	0.3	0.5	0.9	1.2	1.7	2.8	4.0	6.1	7.6	8.7	18.6	13.1	12.3	16.9	15.8
- Carbon Black Mfg.	0.0	0.0	0.0	0.1	0.3	0.6	1.6	1.8	2.9	3.1	5.0	3.3	3.4	2.5	1.7	0.7	0.6	0.5
SOLID WASTE DISPOSAL (Total)	1.9	2.4	2.8	2.7	2.7	2.7	2.8	3.1	3.3	4.5	4.9	6.4	7.4	8.5	9.0	4.8	4.1	3.7
Incineration	1.2	1.5	1.6	1.5	1.4	1.4	1.3	1.4	1.4	1.9	2.0	2.1	2.5	2.8	2.5	2.2	2.0	1.8
Open Burning	0.7	0.9	1.1	1.2	1.2	1.4	1.5	1.7	1.8	2.6	2.9	4.2	4.9	5.7	6.5	2.5	2.1	1.8
MISCELLANEOUS OTHER SOURCES (Total). .	26.3	22.2	30.2	33.1	31.6	37.0	36.0	36.8	40.1	42.9	53.6	44.5	48.2	39.7	41.0	26.2	28.0	26.8
Wildfires	1.6	1.6	1.6	3.1	0.2	3.5	0.2	0.1	0.2	1.4	8.4	0.2	2.8	1.2	5.2	0.6	2.6	3.1
Prescribed Fires	8.7	8.7	8.7	8.7	8.6	8.7	8.8	8.7	10.8	10.9	14.1	12.6	14.0	12.1	10.5	10.6	9.8	10.1
Other Burning	14.8	10.3	17.9	19.3	20.5	22.4	24.4	25.0	25.9	25.4	25.2	24.1	22.5	16.9	13.6	4.8	4.1	3.8
Organic Solvent Evaporation	1.2	1.6	2.0	2.1	2.2	2.4	2.6	2.9	3.3	5.2	5.8	7.6	8.9	9.5	11.7	10.3	11.4	9.8
TOTAL (ALL SOURCE CATEGORIES)	81.2	76.8	84.5	86.8	85.1	90.1	94.2	95.0	107.6	114.3	154.3	158.3	194.4	197.6	199.8	169.8	171.2	161.2

ACTIVITY INDICATORS 1900-1980 FOR STATE OF NEW MEXICO

SOURCE CATEGORY	1900	1905	1910	1915	1920	1925	1930	1935	1940	1945	1950	1955	1960	1965	1970	1975	1980
BITUMINOUS COAL (1000 TONS)	135.1	226.9	336.6	480.8	568.1	678.6	605.1	413.6	372.9	368.0	257.0	185.0	173.0	2162.0	6032.0	7422.0	11031.0
ANTHRACITE COAL (1000 TONS)	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
RESIDUAL OIL (1000 BBL)	-3.0	-3.0	-3.0	-3.0	-3.0	236.6	219.9	225.0	154.0	200.0	126.0	72.0	120.0	61.0	96.0	1260.0	934.0
DISTILLATE OIL (1000 BBL)	-3.0	-3.0	-3.0	-3.0	-3.0	37.2	41.8	52.0	134.0	327.0	532.0	1021.0	1080.0	702.0	1227.0	3327.0	1948.0
NATURAL GAS (10E6 CU. FT.)	-4.0	-4.0	-2.0	-2.0	44.8	94.8	3935.0	25822.8	40198.0	78144.0	160385.0	236944.0	227547.0	249316.0	270103.0	240260.0	221793.0
WOOD (1000 TONS)	968.3	919.9	881.2	842.4	803.7	765.0	726.3	697.2	677.8	629.4	581.0	462.0	385.0	327.0	282.0	311.0	547.0
HIGHWAY VEHICLES																	
GASOLINE (1000 GAL)	-1.0	-1.0	-1.0	-1.0	-1.0	18706.0	49445.0	60415.0	96903.0	101450.0	208753.0	313274.0	417759.0	497172.0	-1.0	-1.0	-1.0
DIESEL (1000 GAL)	-1.0	-1.0	-1.0	-1.0	-1.0	-1.0	-1.0	-1.0	-1.0	-1.0	10626.0	14028.0	33684.0	33936.0	72282.0	106428.0	165438.0
VMT (10E6 MILES)	-1.0	-1.0	-1.0	-1.0	-1.0	-1.0	-1.0	-1.0	-1.0	-1.0	-1.0	-1.0	-1.0	-1.0	7463.0	9921.0	11308.0
MISCELLANEOUS																	
RAILROADS-COAL (1000 TONS)	369.5	636.8	924.5	1174.2	1336.4	1074.4	895.7	678.2	712.0	970.0	529.0	172.0	36.0	18.0	8.0	0.0	0.0
RAILROADS-OIL (1000 BBL)	-1.0	-1.0	-1.0	-1.0	-1.0	295.9	278.2	228.0	276.0	1207.0	1028.0	1087.0	1014.0	1821.0	1431.0	1424.0	1427.0
COKE PL (1000 TONS COAL)	243.8	359.9	565.1	670.9	594.5	156.5	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
VES FUEL OIL (1000 BBL)	-1.0	-1.0	-1.0	-1.0	-1.0	-1.0	-1.0	-1.0	-1.0	-1.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
CEMENT PL (1000 TONS)	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	374.0	358.0	283.0	359.0	383.0
POPULATION (1000's)	195.0	261.0	327.0	343.5	360.0	391.5	423.0	477.5	532.0	606.5	681.0	816.0	951.0	983.5	1016.0	1160.0	1450.0
FOREST FIRES (1000 ACRES)	12.6	12.6	12.6	24.1	1.6	27.5	1.9	0.6	1.9	11.0	109.0	1.5	22.6	7.0	28.1	4.1	20.5
CRUDE OIL PROD. (1000 BBL)	0.0	0.0	0.0	0.0	0.0	1060.0	10189.0	20483.0	39129.0	37351.0	47367.0	82958.0	107380.0	119166.0	128184.0	95063.0	75324.0
CRUDE OIL RUN (1000 BBL)	92.4	195.7	299.5	408.3	643.4	1109.5	1304.5	1403.0	1865.0	4459.0	4964.0	7750.0	8804.0	11559.0	14365.0	17342.0	19594.0
OFF-HIGHWAY VEH. (1000 BBL	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	214.0	214.0	334.0	693.0	886.0	1015.0	1149.0
LAND AREA (1000 SQ.MI.)	121.4																

NOTE:Negative number indicates missing datum;see footnote at end of table

NEW YORK VOC EMISSIONS (1000 METRIC TONS)

SOURCE CATEGORY	1900	1905	1910	1915	1920	1925	1930	1935	1940	1945	1950	1955	1960	1965	1970	1975	1980	1985
TRANSPORTATION (Total)	26.2	41.3	53.9	76.9	140.3	227.5	358.9	357.1	423.5	324.5	529.4	595.7	718.0	739.7	724.6	474.9	397.5	349.8
Highway Vehicles	0.1	0.7	4.6	23.4	81.9	176.1	313.7	321.4	384.4	261.0	467.6	536.0	649.5	647.3	680.9	414.5	349.5	302.0
Aircraft	0.0	0.0	0.0	0.0	0.1	0.1	0.1	0.2	0.3	5.3	11.8	17.0	23.0	37.3	22.5	15.9	13.6	14.0
Railroads- Oil-fired	NA	NA	NA	NA	NA	0.8	0.7	0.6	0.8	1.1	4.5	7.4	7.6	6.0	4.5	2.9	2.4	1.7
- Coal-fired	26.1	40.6	49.4	53.4	58.3	48.4	41.6	32.5	35.7	54.1	22.9	4.6	0.4	0.0	0.0	0.0	0.0	0.0
Vessels- Oil-fired	NA	NA	NA	NA	NA	2.1	2.8	2.3	1.4	2.3	7.1	16.9	24.9	39.3	4.2	28.4	20.9	21.5
-Coal-fired	NA	NA	NA	NA	NA	NA	NA	NA	0.9	0.7	0.7	0.5	0.3	0.3	0.2	0.0	0.0	0.0
Other Off-Highway Use	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	14.8	13.2	12.2	9.6	12.3	13.2	11.2	10.6
EXTERNAL FUEL COMBUSTION (Total) . . .	283.2	291.4	287.4	280.9	269.1	240.3	247.2	207.9	189.6	170.6	168.3	126.1	96.5	69.4	50.9	46.6	101.7	121.3
Anthracite Coal	44.0	58.3	61.8	63.6	63.1	46.0	71.5	53.0	46.1	44.5	30.3	17.6	10.5	3.5	1.7	0.4	0.4	0.5
Bituminous Coal	11.2	17.0	20.9	25.0	26.9	29.7	26.1	19.0	20.4	22.4	18.7	13.1	8.1	4.9	2.4	0.6	0.5	0.6
Residual Oil	NA	NA	NA	NA	NA	0.2	0.1	0.1	0.2	0.2	0.4	0.2	0.8	1.1	1.7	1.7	1.3	0.5
Distillate Oil	NA	NA	NA	NA	NA	0.1	0.1	0.2	0.3	0.3	0.5	0.4	0.9	1.2	1.5	1.9	0.9	0.7
Natural Gas	NA	NA	0.3	0.0	0.4	0.3	0.1	0.2	0.2	0.3	0.4	1.8	2.6	3.1	3.0	2.5	2.6	2.4
Wood	227.7	215.7	204.0	191.9	178.2	163.1	148.2	134.6	121.1	101.6	116.9	92.3	73.0	55.4	40.1	39.0	95.5	116.1
Coke and Other Fuels	0.4	0.4	0.4	0.3	0.6	0.9	1.0	0.8	1.4	1.3	1.2	0.7	0.7	0.3	0.6	0.5	0.5	0.4
INDUSTRIAL PROCESSES (Total)	26.7	35.1	40.8	54.3	82.0	128.4	184.9	192.5	238.8	237.2	369.1	374.2	412.5	612.0	598.2	479.5	499.2	486.5
Petroleum Refinery Process Operations	0.0	0.9	1.4	1.9	3.0	4.6	5.2	5.2	7.4	7.1	6.6	8.4	6.5	5.9	5.4	6.3	6.6	5.1
Manufacture of Petrochemicals	0.0	0.3	0.4	0.5	0.7	1.1	1.2	1.2	1.5	4.2	6.3	12.5	18.6	28.9	49.3	55.6	57.1	58.4
Petrol. Production- Crude Oil	0.0	0.1	0.1	0.1	0.1	0.1	0.2	0.3	0.3	0.3	0.3	0.2	0.1	0.1	0.1	0.1	0.1	0.1
- Nat.Gas Liquids	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.0	0.0	0.0
Petrol. Marketing - Gasoline	0.0	0.1	0.6	3.2	11.2	24.2	40.5	40.0	45.6	32.4	57.9	53.6	78.0	82.2	95.9	85.7	76.7	70.9
- Other Prod.	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	5.9	8.1	10.1	12.3	9.0	7.8	6.5	5.8
Surface Coating Operations	26.5	30.6	32.4	37.6	40.8	45.7	54.8	53.1	58.2	58.4	98.7	109.3	114.2	129.4	187.6	128.0	140.9	148.6
Misc. Indust. Processes	0.1	3.1	5.2	7.7	14.3	27.2	36.7	45.8	69.7	93.7	133.9	147.8	153.5	330.5	235.4	191.5	207.1	193.9
- Carbon Black Mfg.	0.0	0.1	0.7	3.4	11.9	25.5	46.3	46.8	56.0	41.1	59.6	34.2	31.4	22.7	15.4	4.6	4.2	3.7
SOLID WASTE DISPOSAL (Total)	70.3	74.1	77.1	77.1	76.8	80.2	83.6	83.4	83.0	104.2	106.1	123.6	131.5	151.7	161.7	74.1	50.3	45.2
Incineration	45.1	45.7	45.5	43.3	40.8	40.4	39.9	38.2	36.2	43.9	42.9	41.6	44.4	49.6	45.1	34.6	24.9	22.5
Open Burning	25.2	28.4	31.6	33.8	36.0	39.8	43.7	45.2	46.8	60.3	63.2	82.0	87.1	102.1	116.6	39.5	25.3	22.7
MISCELLANEOUS OTHER SOURCES (Total). .	55.4	61.7	68.0	71.4	79.9	86.5	99.7	96.8	99.3	137.1	143.4	164.8	171.6	181.6	220.1	165.8	149.0	130.1
Wildfires	1.4	1.4	1.4	0.4	4.5	3.5	9.1	3.2	1.7	1.3	0.6	2.9	0.6	1.5	0.4	0.5	3.3	3.9
Prescribed Fires	3.4	3.4	3.4	3.4	3.4	3.4	3.5	3.4	4.2	4.3	5.5	5.0	5.5	4.8	4.1	4.2	3.9	4.0
Other Burning	5.8	6.4	7.0	7.6	8.1	8.8	9.6	9.9	10.2	10.0	9.9	9.5	8.9	6.6	5.4	1.9	1.6	1.5
Organic Solvent Evaporation	44.8	50.5	56.2	60.1	64.0	70.8	77.6	80.4	83.1	121.5	127.3	147.4	156.6	168.7	210.2	159.3	140.3	120.7
TOTAL (ALL SOURCE CATEGORIES)	461.8	503.7	527.3	560.6	648.1	762.9	974.4	937.7	1034.2	973.6	1316.4	1384.3	1530.0	1754.4	1755.5	1241.0	1197.6	1132.8

ACTIVITY INDICATORS 1900-1980 FOR STATE OF NEW YORK

SOURCE CATEGORY	1900	1905	1910	1915	1920	1925	1930	1935	1940	1945	1950	1955	1960	1965	1970	1975	1980
BITUMINOUS COAL (1000 TONS)	7292.3	10194.9	12790.5	15535.3	17116.6	19625.5	18022.5	13939.9	16816.7	20789.0	17736.0	18954.0	17608.0	20271.0	16981.0	8353.0	8960.0
ANTHRACITE COAL (1000 TONS)	13572.4	18385.3	19829.9	20789.0	20973.1	15661.7	12309.3	9301.0	15477.3	13867.2	12595.0	6726.0	3675.0	1577.0	916.0	378.0	368.0
RESIDUAL OIL (1000 BBL)	-3.0	-3.0	-3.0	-3.0	-3.0	12610.2	11174.7	10689.0	12205.0	14699.0	31759.0	18103.0	59754.0	87009.0	135321.0	138487.0	101358.0
DISTILLATE OIL (1000 BBL)	-3.0	-3.0	-3.0	-3.0	-3.0	3416.1	4632.0	6627.0	9243.0	10992.0	18260.0	16339.0	83765.0	99328.0	106691.0	98044.0	61308.0
NATURAL GAS (10E6 CU. FT.)	-4.0	-4.0	14161.6	1467.1	19131.6	16512.6	18991.0	15403.0	27250.0	30416.0	65223.0	269010.0	434864.0	562392.0	710885.0	576883.0	737443.0
WOOD (1000 TONS)	4350.0	4132.5	3958.5	3784.5	3610.5	3436.5	3262.5	3132.0	3045.0	2827.5	3960.0	3673.0	3446.0	3379.0	3640.0	3498.0	6009.0
HIGHWAY VEHICLES																	
GASOLINE (1000 GAL)	-1.0	-1.0	-1.0	-1.0	-1.0	804284.0	1465915.0	1546029.0	1876170.0	1338291.0	2478597.0	3227051.0	3810608.0	4532923.0	-1.0	-1.0	-1.0
DIESEL (1000 GAL)	-1.0	-1.0	-1.0	-1.0	-1.0	-1.0	-1.0	-1.0	-1.0	-1.0	34188.0	39522.0	42630.0	155316.0	239652.0	262962.0	328188.0
VMT (10E6 MILES)	-1.0	-1.0	-1.0	-1.0	-1.0	-1.0	-1.0	-1.0	-1.0	-1.0	-1.0	-1.0	-1.0	-1.0	68592.0	65124.0	77622.0
MISCELLANEOUS																	
RAILROADS-COAL (1000 TONS)	6322.4	8917.2	10849.0	11746.2	12817.4	10628.2	9138.1	7151.8	8000.3	11900.9	5134.0	1041.0	126.0	0.0	0.0	0.0	0.0
RAILROADS-OIL (1000 BBL)	-1.0	-1.0	-1.0	-1.0	-1.0	554.1	521.0	427.0	488.0	723.0	2665.0	4543.0	4466.0	3533.0	2632.0	1725.0	1389.0
COKE PL (1000 TONS COAL)	722.0	867.6	1115.7	1086.7	2506.1	4202.1	4824.9	3333.0	5114.3	5692.3	7878.0	5747.0	5708.0	6405.0	6051.0	3491.0	3161.0
VES FUEL OIL (1000 BBL)	-1.0	-1.0	-1.0	-1.0	-1.0	7110.1	8441.1	6688.0	3893.0	4255.0	4307.1	4854.8	4272.8	3947.3	4424.5	2[illegible]-7.3	3096.8
CEMENT PL (1000 TONS)	88.0	397.0	620.0	948.0	1106.0	1649.0	1950.0	806.0	1586.0	-1.0	2522.0	3561.0	3576.0	5262.0	4741.0	33-3.0	3344.0
POPULATION (1000's)	7269.0	8191.5	9114.0	9749.5	10385.0	11486.5	12588.0	13033.5	13479.0	14154.5	14830.0	15806.0	16782.0	17509.5	18237.0	18003.0	17783.0
FOREST FIRES (1000 ACRES)	11.2	11.2	11.2	3.0	35.2	27.6	71.6	24.8	15.3	10.1	8.2	23.1	5.1	8.5	2.3	3.0	25.6
CRUDE OIL PROD. (1000 BBL)	1301.0	1118.0	1054.0	888.0	906.0	1695.0	3647.0	4236.0	4999.0	4648.0	4143.0	2904.0	1813.0	1632.0	1194.0	8[illegible]5.0	824.0
CRUDE OIL RUN (1000 BBL)	946.9	2005.0	3068.0	4183.5	6592.0	11366.7	13365.3	14374.0	22060.0	25686.0	25949.0	33631.0	27350.0	27600.0	29670.0	32384.0	33442.0
OFF-HIGHWAY VEH. (1000 BBL)	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	506.0	611.0	912.0	898.0	1130.0	12[illegible]9.0	1054.0
LAND AREA (1000 SQ.MI.)	47.8																

NOTE:Negative number indicates missing datum;see footnote at end of table

NORTH CAROLINA VOC EMISSIONS (1000 METRIC TONS)

SOURCE CATEGORY	1900	1905	1910	1915	1920	1925	1930	1935	1940	1945	1950	1955	1960	1965	1970	1975	1980	1985
TRANSPORTATION (Total)	2.2	4.4	7.3	13.0	26.5	44.4	61.9	70.6	99.1	99.6	188.2	222.3	266.2	281.7	311.0	248.7	199.0	172.9
Highway Vehicles	0.0	0.1	0.9	4.7	16.5	35.5	53.8	63.9	91.2	85.7	164.7	200.4	251.3	263.4	294.1	231.7	186.1	160.9
Aircraft	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.1	0.1	1.4	3.2	4.6	6.2	10.3	6.3	4.9	4.8	4.9
Railroads- Oil-fired	NA	NA	NA	NA	NA	0.0	0.0	0.0	0.2	0.6	1.8	3.6	3.1	4.4	3.1	2.6	2.5	1.8
- Coal-fired	2.2	4.3	6.4	8.3	10.0	8.8	8.0	6.6	7.4	11.4	6.2	1.9	0.3	0.0	0.0	0.0	0.0	0.0
Vessels- Oil-fired	NA	NA	NA	NA	NA	0.0	0.0	0.0	0.0	0.1	0.0	0.2	0.2	0.5	0.1	0.8	0.3	0.3
-Coal-fired	NA	NA	NA	NA	NA	NA	NA	NA	0.3	0.3	0.3	0.2	0.1	0.2	0.2	0.1	0.0	0.0
Other Off-Highway Use	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	12.0	11.4	4.9	3.0	7.3	8.6	5.3	5.0
EXTERNAL FUEL COMBUSTION (Total) . . .	480.1	455.7	431.7	407.4	379.6	349.4	318.5	289.0	261.5	222.3	170.4	126.2	95.4	67.9	46.3	45.5	109.1	132.2
Anthracite Coal	0.1	0.2	0.2	0.2	0.2	0.1	-0.0	-0.0	-0.0	-0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Bituminous Coal	0.8	1.5	2.3	3.2	4.4	6.0	6.6	5.6	6.6	8.5	8.1	5.7	4.0	3.0	3.1	1.6	1.4	1.7
Residual Oil	NA	NA	NA	NA	NA	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.1	0.0	0.1	0.1	0.1	0.0
Distillate Oil	NA	NA	NA	NA	NA	0.0	0.0	0.0	0.0	0.0	0.1	0.3	0.2	0.3	0.4	0.3	0.2	0.2
Natural Gas	NA	NA	-0.0	-0.0	-0.0	-0.0	-0.0	-0.0	-0.0	-0.0	0.0	0.1	0.3	0.4	0.6	0.5	0.5	0.5
Wood	479.2	454.0	429.3	403.9	375.1	343.2	311.9	283.3	254.9	213.8	162.2	120.1	90.8	64.2	42.2	43.0	106.8	129.9
Coke and Other Fuels	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
INDUSTRIAL PROCESSES (Total)	4.4	5.6	6.7	8.8	14.3	23.7	31.8	37.2	51.2	66.3	98.5	98.1	111.8	171.1	169.0	162.3	185.5	179.6
Petroleum Refinery Process Operations	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Manufacture of Petrochemicals	0.0	0.1	0.1	0.1	0.2	0.3	0.3	0.3	0.4	1.1	1.7	3.4	5.0	7.9	13.7	17.1	20.1	20.5
Petrol. Production- Crude Oil	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
- Nat.Gas Liquids	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Petrol. Marketing - Gasoline	0.0	0.0	0.1	0.6	2.3	4.9	6.9	8.0	10.8	10.6	20.3	20.0	29.8	33.4	41.4	47.9	40.9	37.8
- Other Prod.	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	2.1	3.8	4.5	4.2	5.2	5.6	6.5	5.8
Surface Coating Operations	4.4	4.7	5.1	5.5	5.9	6.6	7.3	7.8	8.3	15.8	16.8	17.8	18.8	25.4	36.3	30.1	43.0	45.3
Misc. Indust. Processes	0.0	0.8	1.3	1.9	3.5	6.8	9.2	11.9	18.5	25.3	36.7	40.3	41.7	90.9	65.6	59.0	72.8	68.2
- Carbon Black Mfg.	0.0	0.0	0.1	0.7	2.4	5.1	7.9	9.3	13.3	13.5	20.9	12.8	12.0	9.2	6.7	2.6	2.2	2.0
SOLID WASTE DISPOSAL (Total)	18.3	18.5	18.7	18.8	18.9	20.0	21.1	21.6	22.0	28.1	29.1	33.7	35.7	41.8	45.1	22.8	17.7	15.9
Incineration	11.7	11.4	11.0	10.6	10.1	10.1	10.1	9.9	9.6	11.8	11.8	11.3	12.0	13.7	12.6	10.7	8.8	7.9
Open Burning	6.6	7.1	7.6	8.3	8.9	9.9	11.0	11.7	12.4	16.3	17.3	22.4	23.6	28.1	32.5	12.2	8.9	8.0
MISCELLANEOUS OTHER SOURCES (Total). .	65.6	67.0	68.7	149.6	51.8	95.4	86.5	49.5	84.3	101.2	88.0	140.3	67.5	71.3	83.2	58.0	62.0	56.4
Wildfires	44.6	44.6	44.6	124.1	24.4	65.5	53.8	15.2	47.8	54.0	37.6	85.6	10.4	13.3	15.0	2.7	7.0	8.4
Prescribed Fires	3.4	3.4	3.4	3.4	3.4	3.4	3.5	3.5	4.3	4.3	5.6	5.0	5.6	4.9	4.2	4.2	3.9	4.1
Other Burning	5.9	6.4	7.1	7.5	8.2	8.9	9.7	10.0	10.3	10.1	10.0	9.5	9.0	6.8	5.5	1.9	1.6	1.5
Organic Solvent Evaporation	11.7	12.6	13.6	14.7	15.8	17.7	19.5	20.8	22.0	32.8	34.9	40.2	42.5	46.4	58.6	49.1	49.3	42.5
TOTAL (ALL SOURCE CATEGORIES)	570.6	551.3	533.1	597.7	491.2	532.9	519.6	467.9	518.2	517.5	574.2	620.5	576.6	633.8	654.6	537.5	573.3	557.1

ACTIVITY INDICATORS 1900-1980 FOR STATE OF NORTH CAROLINA

SOURCE CATEGORY	1900	1905	1910	1915	1920	1925	1930	1935	1940	1945	1950	1955	1960	1965	1970	1975	1980
BITUMINOUS COAL (1000 TONS)	519.4	906.9	1379.6	2020.4	2768.6	3999.5	4528.3	4130.5	5441.4	7873.5	7675.0	8256.0	8704.0	12414.0	21696.0	21315.0	24497.0
ANTHRACITE COAL (1000 TONS)	40.5	54.8	59.1	62.0	62.5	46.7	-1.0	-1.0	-1.0	-1.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
RESIDUAL OIL (1000 BBL)	-3.0	-3.0	-3.0	-3.0	-3.0	70.7	76.8	89.0	209.0	232.0	908.0	2014.0	3820.0	3692.0	6332.0	6883.0	9059.0
DISTILLATE OIL (1000 BBL)	-3.0	-3.0	-3.0	-3.0	-3.0	261.5	336.1	468.0	889.0	1295.0	4914.0	9635.0	20388.0	22077.0	26298.0	17333.0	14132.0
NATURAL GAS (10E6 CU. FT.)	-4.0	-4.0	-2.0	-2.0	-1.0	-1.0	-1.0	-1.0	-1.0	-1.0	0.0	12644.0	47376.0	78419.0	151227.0	114822.0	153316.0
WOOD (1000 TONS)	9155.0	8697.3	8331.0	7964.8	7598.6	7232.4	6866.3	6591.6	6408.5	5950.8	5493.0	4781.0	4286.0	3914.0	3832.0	3861.0	6721.0
HIGHWAY VEHICLES																	
GASOLINE (1000 GAL)	-1.0	-1.0	-1.0	-1.0	-1.0	162178.0	251479.0	307607.0	444953.0	439737.0	870920.0	1204498.0	1455179.0	1843344.0	-1.0	-1.0	-1.0
DIESEL (1000 GAL)	-1.0	-1.0	-1.0	-1.0	-1.0	-1.0	-1.0	-1.0	-1.0	-1.0	13944.0	16758.0	35826.0	64722.0	173040.0	244398.0	377454.0
VMT (10E6 MILES)	-1.0	-1.0	-1.0	-1.0	-1.0	-1.0	-1.0	-1.0	-1.0	-1.0	-1.0	-1.0	-1.0	-1.0	29624.0	36400.0	41346.0
MISCELLANEOUS																	
RAILROADS-COAL (1000 TONS)	521.5	936.9	1400.7	1818.1	2197.4	1928.5	1749.6	1441.0	1661.9	2514.9	1381.0	430.0	87.0	0.0	0.0	0.0	0.0
RAILROADS-OIL (1000 BBL)	-1.0	-1.0	-1.0	-1.0	-1.0	36.3	34.2	28.0	99.0	359.0	1076.0	2191.0	1829.0	2567.0	1792.0	1537.0	1482.0
COKE PL (1000 TONS COAL)	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
VES FUEL OIL (1000 BBL)	-1.0	-1.0	-1.0	-1.0	-1.0	11.7	13.9	11.0	22.0	263.0	17.1	50.0	33.8	46.1	64.8	63.1	44.5
CEMENT PL (1000 TONS)	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	535.0	374.0	387.0	768.0
POPULATION (1000's)	1894.0	2050.0	2206.0	2382.5	2559.0	2864.5	3170.0	3371.0	3572.0	3817.0	4062.0	4309.0	4556.0	4819.0	5082.0	5547.0	6255.0
FOREST FIRES (1000 ACRES)	351.0	351.0	351.0	977.0	192.4	515.5	423.2	119.5	427.7	425.2	484.8	677.1	83.1	75.3	81.7	18.3	55.2
CRUDE OIL PROD. (1000 BBL)	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
CRUDE OIL RUN (1000 BBL)	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
OFF-HIGHWAY VEH. (1000 BBL)	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	412.0	525.0	368.0	280.0	671.0	831.0	494.0
LAND AREA (1000 SQ.MI.)	48.8																

NOTE:Negative number indicates missing datum;see footnote at end of table

NORTH DAKOTA VOC EMISSIONS (1000 METRIC TONS)

SOURCE CATEGORY	1900	1905	1910	1915	1920	1925	1930	1935	1940	1945	1950	1955	1960	1965	1970	1975	1980	1985
TRANSPORTATION (Total)	1.7	3.9	6.6	10.3	15.6	19.8	21.0	22.1	23.1	22.9	38.2	39.2	47.8	47.7	45.1	33.8	28.2	24.2
Highway Vehicles	0.0	0.0	0.3	1.5	5.3	11.5	14.1	16.9	17.6	14.1	26.7	30.3	35.8	37.3	38.2	28.7	23.8	20.6
Aircraft	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.2	0.5	0.7	0.9	1.3	0.8	0.6	0.5	0.5
Railroads- Oil-fired	NA	NA	NA	NA	NA	0.0	0.0	0.0	0.1	1.0	0.9	0.9	0.7	1.0	1.1	1.4	2.2	1.6
- Coal-fired	1.7	3.8	6.4	8.8	10.3	8.3	6.9	5.2	5.4	7.5	4.0	1.3	0.2	0.3	0.2	0.0	0.0	0.0
Vessels- Oil-fired	NA	NA	NA	NA	NA	-0.0	-0.0	-0.0	-0.0	-0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
-Coal-fired	NA	NA	NA	NA	NA	NA	NA	NA	0.1	0.1	0.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Other Off-Highway Use	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	6.0	6.0	10.3	7.8	4.9	3.2	1.6	1.5
EXTERNAL FUEL COMBUSTION (Total) . . .	5.1	5.7	6.1	6.8	6.6	6.0	4.7	3.9	3.6	3.5	3.7	2.2	1.6	0.9	0.9	0.9	1.4	1.7
Anthracite Coal	0.8	1.0	1.1	1.1	1.1	0.8	-0.0	-0.0	-0.0	-0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Bituminous Coal	0.5	1.0	1.6	2.4	2.5	2.4	2.2	1.6	1.5	1.8	2.3	1.2	0.9	0.4	0.5	0.4	0.7	0.9
Residual Oil	NA	NA	NA	NA	NA	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Distillate Oil	NA	NA	NA	NA	NA	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Natural Gas	NA	NA	0.0	-0.0	-0.0	-0.0	-0.0	-0.0	-0.0	0.0	0.0	0.1	0.1	0.1	0.1	0.2	0.1	0.1
Wood	3.9	3.7	3.5	3.3	3.1	2.8	2.6	2.3	2.1	1.8	1.3	0.9	0.6	0.3	0.2	0.3	0.5	0.7
Coke and Other Fuels	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
INDUSTRIAL PROCESSES (Total)	0.7	1.2	1.8	2.4	3.9	6.4	7.5	8.5	9.5	10.9	47.6	49.9	63.8	84.9	80.9	75.5	87.6	82.7
Petroleum Refinery Process Operations	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	3.3	3.5	3.5	4.1	4.0	3.1
Manufacture of Petrochemicals	0.0	0.0	0.0	0.0	0.0	0.1	0.1	0.1	0.1	0.2	0.3	0.5	0.7	1.0	1.7	2.0	2.2	2.2
Petrol. Production- Crude Oil	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.7	1.4	1.7	1.4	1.3	2.5	2.6
- Nat.Gas Liquids	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.4	0.7	1.0	1.0	1.0	2.3	2.3
Petrol. Marketing - Gasoline	0.0	0.0	0.0	0.2	0.7	1.6	1.8	2.1	2.1	1.7	3.2	2.9	4.2	4.7	5.4	5.9	5.2	4.8
- Other Prod.	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	1.1	1.9	0.9	0.8	.5	0.9	1.3	1.2
Surface Coating Operations	0.7	1.0	1.3	1.4	1.5	1.5	1.6	1.5	1.5	2.6	2.6	2.6	2.6	2.5	3.7	2.8	3.4	3.5
Misc. Indust. Processes	0.0	0.2	0.3	0.5	0.9	1.6	2.0	2.3	3.3	4.2	5.6	5.9	5.8	11.8	8.0	6.8	8.0	7.5
- Carbon Black Mfg.	0.0	0.0	0.0	0.2	0.8	1.7	2.1	2.5	2.6	2.2	3.2	1.8	1.7	1.3	0.9	0.3	0.3	0.3
SOLID WASTE DISPOSAL (Total)	3.1	4.1	4.9	4.8	4.8	4.6	4.5	4.2	4.0	4.6	4.4	4.9	5.0	5.4	5.5	2.6	1.9	1.7
Incineration	2.0	2.5	2.9	2.7	2.5	2.3	2.2	1.9	1.7	2.0	1.8	1.6	1.7	1.8	1.5	1.2	1.0	0.9
Open Burning	1.1	1.6	2.0	2.1	2.2	2.3	2.4	2.3	2.2	2.7	2.6	3.2	3.3	3.6	3.9	1.4	1.0	0.9
MISCELLANEOUS OTHER SOURCES (Total). .	16.0	14.8	19.4	20.3	21.3	21.7	23.0	23.2	25.4	27.2	27.8	27.2	27.5	22.6	21.3	14.7	15.5	15.2
Wildfires	0.6	0.6	0.6	0.6	0.6	NA	NA	NA	0.6	1.1	0.0	0.4	0.8	0.1	0.4	0.2	2.2	2.6
Prescribed Fires	4.9	4.9	4.9	4.9	4.9	5.0	5.0	5.0	6.2	6.2	8.0	7.2	8.0	6.9	6.0	6.0	5.6	5.8
Other Burning	8.4	6.4	10.2	11.0	11.7	12.8	13.9	14.3	14.8	14.5	14.4	13.8	12.8	9.6	7.8	2.7	2.3	2.2
Organic Solvent Evaporation	2.0	2.8	3.6	3.8	4.0	4.1	4.2	4.1	4.0	5.4	5.3	5.8	5.9	6.0	7.1	5.7	5.4	4.7
TOTAL (ALL SOURCE CATEGORIES)	26.6	29.7	38.8	44.6	52.3	58.5	60.8	62.0	65.6	69.2	121.7	123.5	145.7	161.6	153.7	127.5	134.7	125.6

ACTIVITY INDICATORS 1900-1980 FOR STATE OF NORTH DAKOTA

SOURCE CATEGORY	1900	1905	1910	1915	1920	1925	1930	1935	1940	1945	1950	1955	1960	1965	1970	1975	1980
BITUMINOUS COAL (1000 TONS)	294.6	582.4	951.6	1470.8	1571.6	1570.3	1502.4	1155.5	1252.1	1628.0	2233.0	1790.0	1977.0	1576.0	3509.0	5650.0	12986.0
ANTHRACITE COAL (1000 TONS)	235.0	318.4	343.4	360.0	363.2	271.2	-1.0	-1.0	-1.0	-1.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
RESIDUAL OIL (1000 BBL)	-3.0	-3.0	-3.0	-3.0	-3.0	31.5	34.9	43.0	16.0	20.0	39.0	351.0	595.0	809.0	655.0	1199.0	675.0
DISTILLATE OIL (1000 BBL)	-3.0	-3.0	-3.0	-3.0	-3.0	58.3	68.2	89.0	273.0	341.0	1041.0	1369.0	3267.0	3641.0	3301.0	2176.0	2942.0
NATURAL GAS (10E6 CU. FT.)	-4.0	-4.0	17.6	-1.0	-1.0	-2.0	-3.0	-4.0	-4.0	234.0	5704.0	11795.0	15317.0	24722.0	32717.0	36826.0	22848.0
WOOD (1000 TONS)	75.0	71.3	68.3	65.3	62.3	59.3	56.3	54.0	52.5	48.8	45.0	34.0	28.0	19.0	22.0	26.0	34.0
HIGHWAY VEHICLES																	
GASOLINE (1000 GAL)	-1.0	-1.0	-1.0	-1.0	-1.0	52355.0	65907.0	81312.0	85779.0	72263.0	134913.0	172281.0	204355.0	256648.0	-1.0	-1.0	-1.0
DIESEL (1000 GAL)	-1.0	-1.0	-1.0	-1.0	-1.0	-1.0	-1.0	-1.0	-1.0	-1.0	8642.0	12096.0	7728.0	13860.0	55188.0	41664.0	77658.0
VMT (10E6 MILES)	-1.0	-1.0	-1.0	-1.0	-1.0	-1.0	-1.0	-1.0	-1.0	-1.0	-1.0	-1.0	-1.0	-1.0	3858.0	4502.0	5284.0
MISCELLANEOUS																	
RAILROADS-COAL (1000 TONS)	399.8	846.0	1396.0	1934.3	2263.1	1819.5	1516.2	1148.2	1205.5	1642.4	895.0	291.0	61.0	30.0	14.0	0.0	0.0
RAILROADS-OIL (1000 BBL)	-1.0	-1.0	-1.0	-1.0	-1.0	1.3	1.2	1.0	34.0	679.0	530.0	569.0	407.0	585.0	617.0	807.0	1302.0
COKE PL (1000 TONS COAL)	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
VES FUEL OIL (1000 BBL)	-1.0	-1.0	-1.0	-1.0	-1.0	-1.0	-1.0	-1.0	-1.0	-1.0	0.3	0.3	0.0	0.0	0.0	0.0	0.0
CEMENT PL (1000 TONS)	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
POPULATION (1000's)	319.0	448.0	577.0	612.0	647.0	664.0	681.0	661.5	642.0	631.0	620.0	626.0	632.0	625.0	618.0	639.0	685.0
FOREST FIRES (1000 ACRES)	5.0	5.0	5.0	5.0	5.0	-1.0	-1.0	-1.0	5.0	8.3	0.0	3.4	6.3	0.4	2.4	1.5	17.1
CRUDE OIL PROD. (1000 BBL)	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	11143.0	21992.0	26350.0	21998.0	20452.0	40337.0
CRUDE OIL RUN (1000 BBL)	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	14029.0	16328.0	19470.0	21063.0	20347.0
OFF-HIGHWAY VEH. (1000 BBL)	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	206.0	279.0	769.0	729.0	445.0	309.0	153.0
LAND AREA (1000 SQ.MI.)	69.3																

NOTE:Negative number indicates missing datum;see footnote at end of table

OHIO VOC EMISSIONS (1000 METRIC TONS)

SOURCE CATEGORY	1900	1905	1910	1915	1920	1925	1930	1935	1940	1945	1950	1955	1960	1965	1970	1975	1980	1985
TRANSPORTATION (Total)	23.4	36.6	46.8	63.7	110.3	170.4	235.4	229.9	304.3	271.2	432.1	493.0	582.1	594.5	608.5	448.5	373.6	324.7
Highway Vehicles	0.1	0.5	3.3	17.0	59.6	128.1	199.0	201.4	271.1	219.0	388.2	451.1	540.9	540.1	556.0	408.2	324.2	280.1
Aircraft	0.0	0.0	0.0	0.0	0.0	0.1	0.1	0.1	0.1	2.8	6.3	9.5	13.3	21.7	13.1	9.5	8.2	8.4
Railroads- Oil-fired	NA	NA	NA	NA	NA	0.1	0.1	0.1	0.3	0.9	4.2	7.9	10.4	9.4	6.2	6.5	13.0	9.3
- Coal-fired	23.4	36.0	43.5	46.7	50.7	42.1	36.2	28.3	31.1	47.1	19.9	4.0	0.4	0.0	0.0	0.0	0.0	0.0
Vessels- Oil-fired	NA	NA	NA	NA	NA	0.0	0.0	0.0	0.0	0.1	0.1	0.2	0.6	1.8	0.1	2.9	0.7	0.7
-Coal-fired	NA	NA	NA	NA	NA	NA	NA	NA	1.6	1.4	1.4	0.9	0.6	0.6	0.6	0.1	0.0	0.0
Other Off-Highway Use	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	11.9	19.4	15.9	21.0	32.4	21.2	27.6	26.2
EXTERNAL FUEL COMBUSTION (Total) . . .	254.1	253.1	251.0	246.8	234.3	220.2	198.2	174.7	165.3	153.2	121.5	89.9	69.6	53.4	42.4	40.6	81.4	97.8
Anthracite Coal	1.3	1.7	1.8	1.8	1.8	1.3	0.5	0.4	0.3	0.4	0.2	0.4	0.5	0.3	0.3	0.1	0.1	0.1
Bituminous Coal	21.5	32.3	39.5	46.9	48.4	50.3	45.4	35.6	38.3	45.1	39.1	24.8	18.0	10.6	7.8	4.1	3.3	3.9
Residual Oil	NA	NA	NA	NA	NA	0.1	0.1	0.1	0.1	0.1	0.2	0.2	0.1	0.1	0.1	0.1	0.1	0.0
Distillate Oil	NA	NA	NA	NA	NA	0.0	0.0	0.0	0.0	0.1	0.1	0.2	0.2	0.3	0.3	0.5	0.3	0.2
Natural Gas	NA	NA	2.5	3.2	2.7	2.0	0.5	1.1	1.2	1.9	1.9	3.4	4.2	4.8	4.4	4.1	1.2	1.1
Wood	229.7	217.6	205.8	193.6	179.8	164.5	149.5	135.8	122.2	102.5	77.7	58.8	45.2	36.7	28.2	29.9	74.8	90.9
Coke and Other Fuels	1.7	1.5	1.5	1.2	1.6	2.0	2.2	1.7	3.2	3.1	2.2	2.0	1.4	0.5	1.3	1.7	1.7	1.5
INDUSTRIAL PROCESSES (Total)	21.0	22.7	23.8	31.6	50.7	88.2	122.9	126.4	164.0	201.7	263.2	272.3	309.2	410.7	401.7	368.9	365.8	347.5
Petroleum Refinery Process Operations	0.1	1.9	2.9	3.8	6.2	9.4	10.5	10.7	18.3	19.0	24.3	33.7	32.5	33.0	33.3	38.5	37.8	29.4
Manufacture of Petrochemicals	0.0	0.2	0.2	0.3	0.4	0.6	0.6	0.6	0.8	2.2	3.4	7.0	10.8	16.8	28.8	33.3	34.5	35.3
Petrol. Production- Crude Oil	0.1	1.0	0.7	0.5	0.5	0.5	0.4	0.3	0.2	0.2	0.2	0.3	0.3	0.8	0.6	0.6	0.8	0.8
- Nat.Gas Liquids	0.0	0.2	0.1	0.1	0.1	0.1	0.1	0.0	0.0	0.1	0.1	0.1	0.2	0.5	0.4	0.5	0.7	0.7
Petrol. Marketing - Gasoline	0.0	0.1	0.5	2.3	8.2	17.6	25.7	25.1	32.2	27.2	48.1	45.2	64.4	68.0	78.4	84.4	71.2	65.7
- Other Prod.	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	3.5	5.8	6.4	9.0	9.4	11.7	12.0	10.7
Surface Coating Operations	20.6	17.6	16.3	18.0	18.9	26.8	36.8	36.5	37.3	69.4	62.4	68.9	79.9	71.7	100.6	80.8	79.8	84.2
Misc. Indust. Processes	0.1	1.7	2.7	4.1	7.9	14.7	19.4	23.8	35.7	49.2	71.7	82.5	88.8	192.1	137.5	114.5	125.1	117.1
- Carbon Black Mfg.	0.0	0.1	0.5	2.5	8.6	18.5	29.4	29.3	39.5	34.5	49.5	28.8	25.9	18.8	12.6	4.5	3.9	3.5
SOLID WASTE DISPOSAL (Total)	40.2	40.4	40.3	41.6	42.6	43.3	44.1	43.4	42.6	54.7	56.8	69.0	76.0	88.2	94.4	44.4	30.4	27.3
Incineration	25.8	24.9	23.8	23.4	22.6	21.8	21.1	19.9	18.6	23.0	23.0	23.2	25.7	28.8	26.4	20.7	15.1	13.6
Open Burning	14.4	15.5	16.5	18.2	20.0	21.5	23.1	23.5	24.0	31.6	33.8	45.8	50.4	59.4	68.1	23.6	15.3	13.7
MISCELLANEOUS OTHER SOURCES (Total). .	35.2	38.5	40.0	44.2	46.2	51.2	56.0	55.0	56.6	76.8	82.7	95.1	103.6	108.6	131.8	100.8	90.2	78.6
Wildfires	1.7	1.7	1.7	2.4	0.9	2.5	3.9	1.9	1.6	0.8	1.2	0.4	0.7	0.8	0.9	0.3	0.8	0.9
Prescribed Fires	2.9	2.9	2.9	2.9	2.9	2.9	3.0	2.9	3.6	3.7	4.7	4.2	4.7	4.1	3.5	3.6	3.3	3.4
Other Burning	5.0	6.4	6.0	6.5	6.9	7.5	8.2	8.4	8.7	8.6	8.5	8.1	7.6	5.7	4.6	1.6	1.4	1.3
Organic Solvent Evaporation	25.6	27.5	29.4	32.4	35.5	38.2	41.0	41.8	42.6	63.8	68.2	82.3	90.6	98.0	122.8	95.3	84.7	72.9
TOTAL (ALL SOURCE CATEGORIES)	373.9	391.2	401.9	427.9	484.1	573.3	656.6	629.4	732.8	757.6	956.4	1019.3	1140.5	1255.3	1278.8	1003.1	941.4	875.9

ACTIVITY INDICATORS 1900-1980 FOR STATE OF OHIO

SOURCE CATEGORY	1900	1905	1910	1915	1920	1925	1930	1935	1940	1945	1950	1955	1960	1965	1970	1975	1980
BITUMINOUS COAL (1000 TONS)	14044.2	19382.3	24119.7	29184.2	30776.6	33227.7	31299.7	26200.8	31607.7	41922.3	37162.0	36066.0	39342.0	44104.0	54676.0	55491.0	56679.0
ANTHRACITE COAL (1000 TONS)	391.7	530.6	572.3	600.0	605.3	452.0	90.3	68.3	113.6	109.5	73.0	138.0	166.0	142.0	173.0	65.0	97.0
RESIDUAL OIL (1000 BBL)	-3.0	-3.0	-3.0	-3.0	-3.0	6603.0	6379.8	6420.0	6649.0	11190.0	16806.0	17579.0	11064.0	9443.0	5687.0	9226.0	5938.0
DISTILLATE OIL (1000 BBL)	-3.0	-3.0	-3.0	-3.0	-3.0	451.8	506.9	608.0	1157.0	2809.0	5440.0	7458.0	17507.0	21589.0	24333.0	27614.0	19488.0
NATURAL GAS (10E6 CU. FT.)	-4.0	-4.0	108074.5	146724.4	137655.8	113607.8	130091.0	75988.5	130824.0	172572.0	327084.0	505268.0	710016.0	887280.0	1052933.0	956816.0	343474.0
WOOD (1000 TONS)	4388.3	4168.9	3993.4	3817.8	3642.3	3466.8	3291.3	3159.6	3071.8	2852.4	2633.0	2341.0	2132.0	2241.0	2559.0	2687.0	4704.0
HIGHWAY VEHICLES																	
GASOLINE (1000 GAL)	-1.0	-1.0	-1.0	-1.0	-1.0	585083.0	929786.0	968530.0	1323196.0	1122857.0	2060822.0	2716598.0	3145995.0	3745815.0	-1.0	-1.0	-1.0
DIESEL (1000 GAL)	-1.0	-1.0	-1.0	-1.0	-1.0	-1.0	-1.0	-1.0	-1.0	-1.0	25410.0	32592.0	63042.0	166320.0	337680.0	513282.0	697368.0
VMT (10E6 MILES)	-1.0	-1.0	-1.0	-1.0	-1.0	-1.0	-1.0	-1.0	-1.0	-1.0	-1.0	-1.0	-1.0	-1.0	56014.0	64134.0	72000.0
MISCELLANEOUS																	
RAILROADS-COAL (1000 TONS)	5660.3	7921.6	9557.9	10255.9	11148.3	9244.6	7948.0	6220.6	6957.9	10349.6	4464.0	906.0	109.0	0.0	0.0	0.0	0.0
RAILROADS-OIL (1000 BBL)	-1.0	-1.0	-1.0	-1.0	-1.0	105.1	98.8	81.0	177.0	603.0	2456.0	4818.0	6108.0	5488.0	3625.0	3820.0	7598.0
COKE PL (1000 TONS COAL)	2855.6	3406.4	4342.0	4183.2	6715.9	9018.9	10133.6	7318.1	11765.2	13754.1	14692.0	16832.0	11739.0	10891.0	12699.0	12528.0	10622.0
VES FUEL OIL (1000 BBL)	-1.0	-1.0	-1.0	-1.0	-1.0	55.3	65.6	52.0	109.0	108.0	73.8	71.3	105.8	176.8	125.8	217.8	97.3
CEMENT PL (1000 TONS)	100.0	247.0	287.0	367.0	365.0	1074.0	1623.0	731.0	1253.0	866.0	1994.0	2626.0	3168.0	2745.0	2237.0	2292.0	1693.0
POPULATION (1000's)	4158.0	4462.5	4767.0	5263.0	5759.0	6203.0	6647.0	6777.5	6908.0	7427.5	7947.0	8826.5	9706.0	10179.0	10652.0	10770.0	10744.0
FOREST FIRES (1000 ACRES)	13.1	13.1	13.1	18.8	7.3	19.7	30.7	14.6	14.4	6.4	15.8	2.9	5.8	4.5	5.0	2.1	6.2
CRUDE OIL PROD. (1000 BBL)	22363.0	16347.0	10633.0	7825.0	7400.0	7212.0	6486.0	4082.0	3159.0	2828.0	3383.0	4353.0	5405.0	12908.0	9864.0	9578.0	12928.0
CRUDE OIL RUN (1000 BBL)	1938.5	4104.8	6281.0	8564.9	13495.8	23271.2	27362.9	29428.0	54372.0	68734.0	95267.0	134422.0	137129.0	154614.0	184368.0	199449.0	192668.0
OFF-HIGHWAY VEH. (1000 BBL)	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	408.0	895.0	1189.0	1973.0	2972.0	2042.0	2593.0
LAND AREA (1000 SQ.MI.)	40.9																

NOTE:Negative number indicates missing datum;see footnote at end of table

OKLAHOMA VOC EMISSIONS (1000 METRIC TONS)

SOURCE CATEGORY	1900	1905	1910	1915	1920	1925	1930	1935	1940	1945	1950	1955	1960	1965	1970	1975	1980	1985
TRANSPORTATION (Total)	2.2	5.2	9.2	16.1	29.7	56.3	83.4	78.9	95.2	80.4	125.9	136.0	170.7	174.6	198.7	161.3	139.3	121.6
Highway Vehicles	0.0	0.1	0.9	4.7	16.3	35.0	64.6	64.0	78.3	60.6	107.4	125.8	157.3	159.1	179.4	144.6	123.4	106.6
Aircraft	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.8	1.8	2.5	3.2	5.2	3.2	2.4	2.5	2.6
Railroads- Oil-fired	NA	NA	NA	NA	NA	10.4	9.8	8.0	9.8	9.2	6.7	2.1	1.1	1.3	1.3	1.2	1.3	0.9
- Coal-fired	2.2	5.0	8.3	11.5	13.4	10.8	9.0	6.8	7.0	9.8	5.2	1.7	0.3	0.3	0.2	0.0	0.0	0.0
Vessels- Oil-fired	NA	NA	NA	NA	NA	-0.0	-0.0	-0.0	-0.0	0.0	0.0	0.0	0.0	0.6	0.0	0.0	0.0	0.0
-Coal-fired	NA	NA	NA	NA	NA	NA	NA	NA	0.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Other Off-Highway Use	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	4.8	3.9	8.8	8.0	14.7	13.0	12.1	11.4
EXTERNAL FUEL COMBUSTION (Total) . . .	80.0	76.4	73.7	71.2	67.8	64.0	55.9	50.9	45.8	39.9	28.9	21.1	14.8	10.0	7.0	10.7	24.9	29.4
Anthracite Coal	0.0	0.0	0.0	0.0	0.0	0.0	-0.0	-0.0	-0.0	-0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Bituminous Coal	0.5	1.1	1.8	2.8	3.1	3.2	2.8	1.8	1.5	1.3	0.1	0.3	0.1	0.1	0.0	0.0	0.5	0.6
Residual Oil	NA	NA	NA	NA	NA	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Distillate Oil	NA	NA	NA	NA	NA	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.1	0.0	0.0
Natural Gas	NA	NA	0.6	1.4	2.5	3.8	1.3	2.1	2.1	3.0	1.9	2.7	2.1	2.7	2.5	2.9	2.6	2.3
Wood	79.5	75.3	71.2	67.0	62.2	56.9	51.7	47.0	42.3	35.5	26.9	18.0	12.5	7.2	4.5	7.8	21.8	26.5
Coke and Other Fuels	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
INDUSTRIAL PROCESSES (Total)	2.0	7.1	14.3	21.9	32.2	52.1	67.4	66.1	69.4	73.2	111.3	120.6	130.7	156.5	162.1	158.2	177.5	167.7
Petroleum Refinery Process Operations	0.2	3.8	5.7	7.5	12.0	18.4	20.6	20.9	19.2	18.9	23.1	29.6	31.9	29.9	30.2	34.9	34.2	26.6
Manufacture of Petrochemicals	0.0	0.0	0.1	0.1	0.1	0.2	0.2	0.2	0.3	0.7	0.9	1.8	2.6	4.0	6.9	8.6	10.6	10.8
Petrol. Production- Crude Oil	0.0	0.0	3.0	6.2	6.7	11.2	13.7	11.7	9.9	8.8	10.4	12.8	12.0	12.8	14.1	10.3	9.5	9.7
- Nat.Gas Liquids	0.0	0.0	0.6	1.2	1.2	2.1	2.5	2.2	1.8	3.2	3.8	6.8	6.3	8.0	9.9	8.2	8.5	8.7
Petrol. Marketing - Gasoline	0.0	0.0	0.1	0.6	2.2	4.8	8.3	8.0	9.3	7.5	13.2	12.5	18.5	20.3	25.3	29.9	27.1	25.0
- Other Prod.	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	1.5	2.2	2.4	1.6	2.5	3.6	5.0	4.5
Surface Coating Operations	1.8	2.8	3.8	4.2	4.7	5.1	5.5	5.4	5.4	9.4	24.6	25.6	28.3	28.1	36.1	31.6	42.6	45.0
Misc. Indust. Processes	0.0	0.5	0.9	1.5	2.8	5.2	7.0	8.3	12.1	15.1	20.2	21.3	21.3	46.1	33.0	29.5	38.4	36.0
- Carbon Black Mfg.	0.0	0.0	0.1	0.7	2.4	5.1	9.5	9.3	11.4	9.5	13.6	8.0	7.5	5.6	4.1	1.6	1.5	1.3
SOLID WASTE DISPOSAL (Total)	7.6	11.1	14.0	14.6	15.0	15.4	15.9	15.1	14.4	16.8	16.0	17.8	18.2	21.2	22.7	11.4	9.3	8.4
Incineration	4.9	6.8	8.3	8.2	8.0	7.8	7.6	6.9	6.3	7.1	6.5	6.0	6.2	6.9	6.3	5.3	4.6	4.2
Open Burning	2.7	4.2	5.7	6.4	7.0	7.7	8.3	8.2	8.1	9.7	9.5	11.8	12.1	14.2	16.4	6.1	4.7	4.2
MISCELLANEOUS OTHER SOURCES (Total). .	32.3	33.0	39.4	45.5	43.9	40.9	317.5	103.2	407.1	231.4	171.6	58.1	79.1	142.6	60.4	64.7	76.9	81.5
Wildfires	14.2	14.2	14.2	18.4	14.9	9.7	284.9	69.7	373.5	191.9	131.0	16.1	36.9	102.8	17.3	31.5	43.0	51.3
Prescribed Fires	4.9	4.9	4.9	4.9	4.9	4.9	4.7	4.9	5.7	5.9	7.7	7.1	7.9	6.8	6.0	6.0	5.5	5.7
Other Burning	8.4	6.4	10.1	10.9	11.6	12.7	13.1	14.0	13.5	13.9	13.7	13.6	12.7	9.4	7.7	2.7	2.3	2.1
Organic Solvent Evaporation	4.9	7.5	10.2	11.4	12.5	13.6	14.8	14.6	14.4	19.6	19.2	21.3	21.7	23.5	29.5	24.6	26.0	22.4
TOTAL (ALL SOURCE CATEGORIES)	124.1	132.8	150.6	169.4	188.6	228.7	540.2	314.2	632.0	441.6	453.7	353.6	413.6	504.9	450.9	406.4	427.9	408.6

ACTIVITY INDICATORS 1900-1980 FOR STATE OF OKLAHOMA

SOURCE CATEGORY	1900	1905	1910	1915	1920	1925	1930	1935	1940	1945	1950	1955	1960	1965	1970	1975	1980
BITUMINOUS COAL (1000 TONS)	334.1	674.8	1122.4	1749.2	1951.3	2137.8	1958.4	1308.6	1211.9	1241.8	76.0	462.0	274.0	302.0	0.0	19.0	8456.0
ANTHRACITE COAL (1000 TONS)	0.3	0.4	0.5	0.5	0.5	0.4	-1.0	-1.0	-1.0	-1.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
RESIDUAL OIL (1000 BBL)	-3.0	-3.0	-3.0	-3.0	-3.0	2795.5	2653.3	2627.0	2271.0	2403.0	1439.0	1295.0	1388.0	548.0	605.0	722.0	733.0
DISTILLATE OIL (1000 BBL)	-3.0	-3.0	-3.0	-3.0	-3.0	108.6	131.9	175.0	269.0	613.0	1606.0	1445.0	829.0	1438.0	1383.0	3883.0	1649.0
NATURAL GAS (10E6 CU. FT.)	-4.0	-4.0	27880.2	65691.0	127913.3	212017.9	320851.0	146333.6	230806.0	272223.0	322059.0	398837.0	350814.0	489593.0	597169.0	668819.0	722318.0
WOOD (1000 TONS)	1518.3	1442.4	1381.7	1320.9	1260.2	1199.5	1138.8	1093.2	1062.8	986.9	911.0	718.0	592.0	442.0	406.0	698.0	1372.0
HIGHWAY VEHICLES																	
GASOLINE (1000 GAL)	-1.0	-1.0	-1.0	-1.0	-1.0	159970.0	301797.0	307829.0	382228.0	310528.0	565236.0	753103.0	903714.0	1120107.0	-1.0	-1.0	-1.0
DIESEL (1000 GAL)	-1.0	-1.0	-1.0	-1.0	-1.0	-1.0	-1.0	-1.0	-1.0	-1.0	11886.0	13776.0	29652.0	32550.0	94626.0	165060.0	300048.0
VMT (10E6 MILES)	-1.0	-1.0	-1.0	-1.0	-1.0	-1.0	-1.0	-1.0	-1.0	-1.0	-1.0	-1.0	-1.0	-1.0	18071.0	22724.0	27410.0
MISCELLANEOUS																	
RAILROADS-COAL (1000 TONS)	522.1	1104.8	1821.4	2524.0	2954.1	2376.3	1979.9	1499.3	1572.9	2144.1	1168.0	379.0	80.0	39.0	18.0	0.0	0.0
RAILROADS-OIL (1000 BBL)	-1.0	-1.0	-1.0	-1.0	-1.0	7636.9	7180.3	5885.0	5741.0	5932.0	3926.0	1288.0	616.0	778.0	734.0	718.0	760.0
COKE PL (1000 TONS COAL)	0.0	0.0	0.0	0.0	0.0	0.0	12.6	24.8	64.3	104.9	0.0	0.0	0.0	0.0	0.0	0.0	0.0
VES FUEL OIL (1000 BBL)	-1.0	-1.0	-1.0	-1.0	-1.0	-1.0	-1.0	-1.0	-1.0	6.0	0.0	11.3	0.0	64.5	7.0	0.0	0.5
CEMENT PL (1000 TONS)	0.0	0.0	-1.0	-1.0	-1.0	-1.0	-1.0	-1.0	-1.0	-1.0	1037.0	1311.0	1488.0	1628.0	1244.0	1332.0	1643.0
POPULATION (1000's)	790.0	1223.5	1657.0	1842.5	2028.0	2212.0	2396.0	2366.0	2336.0	2284.5	2233.0	2280.5	2328.0	2443.5	2559.0	2775.0	3301.0
FOREST FIRES (1000 ACRES)	111.5	111.5	111.5	144.9	117.5	76.2	2243.1	548.4	3343.7	1510.7	1690.4	127.1	295.9	582.9	94.2	209.5	337.8
CRUDE OIL PROD. (1000 BBL)	1.0	0.0	47859.0	97915.0	106206.0	176768.0	216486.0	185288.0	156164.0	139299.0	164599.0	202817.0	192913.0	203441.0	223574.0	163123.0	150140.0
CRUDE OIL RUN (1000 BBL)	3782.7	8009.8	12256.4	16713.1	26334.9	45410.0	53394.3	57424.0	57071.0	68438.0	90439.0	117802.0	134577.0	139965.0	166900.0	180552.0	174414.0
OFF-HIGHWAY VEH. (1000 BBL)	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	164.0	179.0	660.0	751.0	1344.0	1248.0	1133.0
LAND AREA (1000 SQ.MI.)	68.8																

NOTE:Negative number indicates missing datum;see footnote at end of table

OREGON VOC EMISSIONS (1000 METRIC TONS)

SOURCE CATEGORY	1900	1905	1910	1915	1920	1925	1930	1935	1940	1945	1950	1955	1960	1965	1970	1975	1980	1985
TRANSPORTATION (Total)	1.2	2.4	4.0	7.4	15.3	35.6	46.0	44.1	59.6	65.0	119.3	123.1	139.1	149.7	146.6	113.5	111.0	97.2
Highway Vehicles	0.0	0.1	0.6	2.9	10.3	22.1	33.7	34.2	48.3	46.0	92.7	97.2	117.1	126.7	134.3	101.4	85.9	74.3
Aircraft	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.5	1.2	1.8	2.4	4.1	2.6	2.1	2.0	2.1
Railroads- Oil-fired	NA	NA	NA	NA	NA	9.3	8.7	7.2	8.5	13.7	8.8	4.5	3.3	3.3	3.4	3.8	4.9	3.6
- Coal-fired	1.2	2.4	3.5	4.4	5.0	4.1	3.4	2.6	2.6	3.7	2.0	0.6	0.1	0.1	0.1	0.0	0.0	0.0
Vessels- Oil-fired	NA	NA	NA	NA	NA	0.1	0.1	0.1	0.1	1.1	0.4	1.1	1.6	2.2	0.3	2.2	2.1	2.2
-Coal-fired	NA	NA	NA	NA	NA	NA	NA	NA	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Other Off-Highway Use	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	14.2	17.9	14.5	13.3	6.0	4.0	15.9	15.1
EXTERNAL FUEL COMBUSTION (Total) . . .	404.4	383.4	362.7	341.6	317.2	290.4	263.9	239.7	215.7	181.3	107.9	87.1	70.1	55.9	37.6	38.1	67.6	82.0
Anthracite Coal	0.0	0.0	0.0	0.0	0.0	0.0	-0.0	-0.0	-0.0	-0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Bituminous Coal	0.2	0.4	0.7	0.9	0.9	0.8	0.8	0.7	0.7	0.9	0.5	0.2	0.1	0.1	0.0	0.0	0.1	0.1
Residual Oil	NA	NA	NA	NA	NA	0.0	0.0	0.0	0.0	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.0	0.0
Distillate Oil	NA	NA	NA	NA	NA	0.0	0.0	0.0	0.0	0.0	0.0	0.1	0.1	0.1	0.1	0.1	0.1	0.1
Natural Gas	NA	NA	-0.0	0.0	0.0	-0.0	-0.0	-0.0	-0.0	-0.0	0.0	0.0	0.2	0.3	0.4	0.5	0.3	0.3
Wood	404.2	383.0	362.1	340.7	316.3	289.5	263.1	239.0	215.0	180.4	107.3	86.7	69.7	55.4	37.0	37.4	67.1	81.6
Coke and Other Fuels	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
INDUSTRIAL PROCESSES (Total)	1.0	1.5	2.1	3.1	5.8	10.4	14.4	15.3	21.0	27.3	51.3	47.2	61.6	96.3	95.6	97.6	114.7	105.8
Petroleum Refinery Process Operations	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	8.9	18.0	18.7	23.1	28.4	22.2
Manufacture of Petrochemicals	0.0	0.0	0.0	0.0	0.1	0.1	0.1	0.1	0.1	0.4	0.6	1.3	2.0	3.2	5.7	7.2	8.6	8.8
Petrol. Production- Crude Oil	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
- Nat.Gas Liquids	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Petrol. Marketing - Gasoline	0.0	0.0	0.1	0.4	1.4	3.0	4.4	4.3	5.7	5.7	10.9	9.5	13.5	15.6	18.9	21.0	18.9	17.4
- Other Prod.	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	3.6	3.7	3.1	3.1	3.1	3.3	4.1	3.7
Surface Coating Operations	1.0	1.3	1.6	1.7	1.8	2.0	2.2	2.3	2.5	5.3	11.2	11.3	12.4	15.7	19.3	17.2	22.3	23.5
Misc. Indust. Processes	0.0	0.2	0.4	0.6	1.1	2.1	2.8	3.6	5.6	8.6	13.7	15.4	16.2	36.4	27.0	24.8	31.3	29.3
- Carbon Black Mfg.	0.0	0.0	0.1	0.4	1.5	3.2	5.0	5.0	7.0	7.2	11.3	6.0	5.5	4.3	3.0	1.1	1.0	0.9
SOLID WASTE DISPOSAL (Total)	4.0	4.9	5.7	5.8	5.8	6.1	6.3	6.5	6.7	9.6	10.9	12.9	13.9	16.7	18.5	9.6	7.6	6.8
Incineration	2.6	3.0	3.4	3.2	3.1	3.1	3.0	3.0	2.9	4.1	4.4	4.3	4.7	5.5	5.2	4.5	3.8	3.4
Open Burning	1.4	1.9	2.3	2.5	2.7	3.0	3.3	3.5	3.8	5.6	6.5	8.5	9.2	11.3	13.4	5.1	3.8	3.4
MISCELLANEOUS OTHER SOURCES (Total). .	54.2	56.2	58.2	32.9	37.3	39.0	40.0	43.3	40.6	68.8	46.2	50.5	55.9	44.4	51.4	34.7	39.5	37.9
Wildfires	33.1	33.1	33.1	6.3	9.4	9.0	7.8	10.3	4.9	29.0	2.0	6.1	10.5	2.8	8.2	1.9	7.3	8.7
Prescribed Fires	6.8	6.8	6.8	6.9	6.8	6.9	7.0	6.9	8.5	8.6	11.2	10.0	11.1	9.6	8.3	8.4	7.8	8.0
Other Burning	11.7	12.9	14.1	15.2	16.2	17.7	19.3	19.8	20.5	20.1	20.0	19.1	17.8	13.4	10.8	3.8	3.3	3.0
Organic Solvent Evaporation	2.6	3.3	4.1	4.5	4.8	5.4	5.9	6.3	6.7	11.2	13.1	15.3	16.5	18.6	24.1	20.6	21.2	18.2
TOTAL (ALL SOURCE CATEGORIES)	464.8	448.5	432.8	390.7	381.5	381.4	370.6	348.9	343.7	352.1	335.6	320.7	340.5	363.0	349.8	293.6	340.3	329.8

ACTIVITY INDICATORS 1900-1980 FOR STATE OF OREGON

SOURCE CATEGORY	1900	1905	1910	1915	1920	1925	1930	1935	1940	1945	1950	1955	1960	1965	1970	1975	1980
BITUMINOUS COAL (1000 TONS)	154.3	264.3	397.9	576.5	573.2	517.9	524.8	480.1	575.5	806.5	477.0	349.0	322.0	259.0	91.0	107.0	1334.0
ANTHRACITE COAL (1000 TONS)	0.1	0.2	0.2	0.2	0.2	0.2	-1.0	-1.0	-1.0	-1.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
RESIDUAL OIL (1000 BBL)	-3.0	-3.0	-3.0	-3.0	-3.0	3898.1	3457.5	3337.0	3089.0	4823.0	5456.0	6064.0	3911.0	4027.0	5671.0	4043.0	3397.0
DISTILLATE OIL (1000 BBL)	-3.0	-3.0	-3.0	-3.0	-3.0	1641.7	1389.9	1340.0	453.0	868.0	1701.0	2459.0	6912.0	8336.0	7741.0	6825.0	5698.0
NATURAL GAS (10E6 CU. FT.)	-4.0	-4.0	-2.0	27.0	0.2	-1.0	-1.0	-1.0	-1.0	-1.0	0.0	0.0	30739.0	58259.0	95284.0	109866.0	78703.0
WOOD (1000 TONS)	7721.7	7335.6	7026.7	6717.8	6409.0	6100.1	5791.3	5559.6	5405.2	5019.1	3633.0	3452.0	3286.0	3378.0	3364.0	3357.0	4223.0
HIGHWAY VEHICLES																	
GASOLINE (1000 GAL)	-1.0	-1.0	-1.0	-1.0	-1.0	101058.0	157623.0	164508.0	235787.0	236002.0	468395.0	569228.0	662027.0	860916.0	-1.0	-1.0	-1.0
DIESEL (1000 GAL)	-1.0	-1.0	-1.0	-1.0	-1.0	-1.0	-1.0	-1.0	-1.0	-1.0	29988.0	22974.0	32508.0	56448.0	109620.0	144396.0	239988.0
VMT (10E6 MILES)	-1.0	-1.0	-1.0	-1.0	-1.0	-1.0	-1.0	-1.0	-1.0	-1.0	-1.0	-1.0	-1.0	-1.0	13525.0	15938.0	19088.0
MISCELLANEOUS																	
RAILROADS-COAL (1000 TONS)	296.4	517.5	759.7	971.6	1109.4	892.0	742.8	562.5	590.4	804.5	439.0	143.0	30.0	15.0	7.0	0.0	0.0
RAILROADS-OIL (1000 BBL)	-1.0	-1.0	-1.0	-1.0	-1.0	6809.0	6401.9	5247.0	4962.0	8879.0	5159.0	2740.0	1954.0	1937.0	2007.0	2229.0	2895.0
COKE PL (1000 TONS COAL)	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
VES FUEL OIL (1000 BBL)	-1.0	-1.0	-1.0	-1.0	-1.0	360.4	427.9	339.0	407.0	2009.0	242.5	309.0	274.3	226.0	292.0	169.0	312.3
CEMENT PL (1000 TONS)	0.0	0.0	0.0	0.0	-1.0	-1.0	-1.0	-1.0	-1.0	-1.0	333.0	367.0	404.0	704.0	410.0	475.0	568.0
POPULATION (1000's)	414.0	543.5	673.0	728.0	783.0	868.5	954.0	1022.0	1090.0	1305.5	1521.0	1645.0	1769.0	1930.0	2091.0	2330.0	2687.0
FOREST FIRES (1000 ACRES)	260.8	260.8	260.8	49.2	73.8	70.8	61.7	80.8	43.6	228.2	25.2	47.9	84.1	15.9	44.4	12.8	57.2
CRUDE OIL PROD. (1000 BBL)	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
CRUDE OIL RUN (1000 BBL)	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	37510.0	84119.0	103576.0	119634.0	145018.0
OFF-HIGHWAY VEH. (1000 BBL)	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	487.0	829.0	1084.0	1246.0	553.0	384.0	1496.0
LAND AREA (1000 SQ.MI.)	96.2																

NOTE:Negative number indicates missing datum;see footnote at end of table

PENNSYLVANIA VOC EMISSIONS (1000 METRIC TONS)

SOURCE CATEGORY	1900	1905	1910	1915	1920	1925	1930	1935	1940	1945	1950	1955	1960	1965	1970	1975	1980	1985
TRANSPORTATION (Total)	9.7	17.7	26.2	40.9	74.2	116.8	217.9	255.1	334.4	267.1	438.4	498.2	599.4	587.1	595.0	457.8	374.2	327.4
Highway Vehicles	0.0	0.4	2.3	11.7	40.7	87.6	192.3	234.9	311.0	228.0	398.0	456.5	561.3	530.1	562.6	405.5	322.0	278.3
Aircraft	0.0	0.0	0.0	0.0	0.0	0.1	0.1	0.2	0.2	3.8	8.4	11.8	15.5	24.6	14.5	10.5	9.0	9.3
Railroads- Oil-fired	NA	NA	NA	NA	NA	0.4	0.4	0.3	0.4	1.0	6.9	9.7	8.6	7.9	6.3	5.3	7.4	5.4
- Coal-fired	9.7	17.3	23.9	29.3	33.5	27.7	23.9	18.7	20.5	31.1	13.1	2.6	0.2	0.0	0.0	0.0	0.0	0.0
Vessels- Oil-fired	NA	NA	NA	NA	NA	0.9	1.2	1.0	0.8	2.0	1.5	6.8	7.2	9.4	1.0	13.0	8.4	8.6
-Coal-fired	NA	NA	NA	NA	NA	NA	NA	NA	1.5	1.1	1.0	0.7	0.4	0.3	0.4	0.1	0.0	0.0
Other Off-Highway Use	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	9.5	10.1	6.3	14.8	10.2	23.4	27.3	25.9
EXTERNAL FUEL COMBUSTION (Total) . . .	368.6	380.7	384.5	382.0	368.6	333.8	290.0	245.5	226.4	207.2	163.2	125.6	101.8	74.2	58.1	52.0	108.6	130.4
Anthracite Coal	49.2	65.3	69.3	71.3	70.6	51.6	39.6	29.4	25.5	31.1	30.2	25.4	25.5	16.6	11.5	4.4	2.9	4.4
Bituminous Coal	15.8	27.0	37.1	48.7	55.4	62.3	52.2	36.1	35.1	35.3	27.2	18.1	12.4	6.5	5.2	3.0	2.7	3.3
Residual Oil	NA	NA	NA	NA	NA	0.2	0.2	0.2	0.2	0.4	0.5	0.4	0.5	0.5	0.7	0.5	0.4	0.2
Distillate Oil	NA	NA	NA	NA	NA	0.0	0.0	0.0	0.1	0.2	0.3	0.3	0.4	0.6	0.7	1.0	0.7	0.5
Natural Gas	NA	NA	3.8	3.8	3.2	2.1	0.4	1.0	1.1	1.6	1.6	2.7	3.1	3.6	3.2	2.8	2.8	2.5
Wood	295.6	280.0	264.8	249.1	231.3	211.7	192.4	174.8	157.2	131.9	100.0	75.0	57.3	45.2	34.1	37.2	96.4	117.3
Coke and Other Fuels	8.0	8.3	9.5	9.0	8.1	5.8	5.2	4.0	7.2	6.7	3.6	3.7	2.6	1.3	2.6	3.1	2.7	2.4
INDUSTRIAL PROCESSES (Total)	118.4	102.0	124.3	127.0	144.8	190.8	232.0	238.7	280.5	348.1	400.2	400.9	402.7	503.5	525.7	446.8	455.3	438.0
Petroleum Refinery Process Operations	0.3	6.0	9.0	11.9	19.1	29.3	32.8	33.3	35.8	39.1	44.5	54.9	48.2	41.1	37.4	43.6	45.7	35.6
Manufacture of Petrochemicals	0.0	0.2	0.3	0.4	0.6	0.9	0.9	0.9	1.1	3.0	4.5	8.6	12.5	19.0	31.9	36.8	38.0	38.9
Petrol. Production- Crude Oil	0.1	0.7	0.6	0.5	0.5	0.5	0.8	1.0	1.1	0.8	0.7	0.5	0.4	0.3	0.3	0.2	0.2	0.2
- Nat.Gas Liquids	0.0	0.1	0.1	0.1	0.1	0.1	0.2	0.2	0.2	0.3	0.3	0.3	0.2	0.2	0.2	0.2	0.2	0.2
Petrol. Marketing - Gasoline	0.0	0.0	0.3	1.6	5.6	12.0	24.8	29.2	36.9	28.3	49.3	45.8	66.3	66.6	79.3	83.9	70.7	65.3
- Other Prod.	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	4.0	5.8	10.5	10.3	10.2	13.0	12.4	11.1
Surface Coating Operations	117.9	92.3	109.3	104.4	101.0	113.6	116.1	105.5	108.9	173.2	151.2	153.9	134.4	129.5	201.6	138.1	146.2	154.1
Misc. Indust. Processes	0.1	2.6	4.4	6.5	12.0	21.8	28.1	34.3	51.2	67.5	94.8	102.0	103.5	218.1	152.2	126.6	138.0	129.2
- Carbon Black Mfg.	0.0	0.1	0.3	1.7	5.9	12.7	28.4	34.2	45.3	35.9	50.8	29.2	26.7	18.4	12.7	4.5	3.9	3.5
SOLID WASTE DISPOSAL (Total)	60.9	63.2	64.9	64.8	64.5	64.1	64.0	62.5	61.0	75.1	75.1	85.3	88.7	100.1	104.6	49.0	33.5	30.1
Incineration	39.1	39.0	38.3	36.4	34.2	32.3	30.5	28.6	26.6	31.6	30.4	28.7	29.9	32.7	29.2	22.9	16.6	15.0
Open Burning	21.9	24.2	26.6	28.4	30.2	31.8	33.4	33.9	34.4	43.4	44.7	56.6	58.7	67.4	75.4	26.1	16.9	15.1
MISCELLANEOUS OTHER SOURCES (Total). .	75.0	86.7	84.5	80.4	97.0	84.3	110.9	81.7	78.4	104.3	107.5	119.6	123.2	124.3	145.7	111.9	99.7	86.9
Wildfires	27.5	27.5	27.5	19.7	32.5	16.3	39.4	9.1	3.8	3.4	2.9	4.3	4.1	2.3	0.8	0.9	1.1	1.3
Prescribed Fires	3.2	3.2	3.2	3.2	3.2	3.2	3.2	3.2	4.0	4.0	5.2	4.7	5.2	4.5	3.9	3.9	3.6	3.7
Other Burning	5.4	12.9	6.6	7.1	7.5	8.2	8.9	9.2	9.6	9.4	9.3	8.9	8.3	6.2	5.0	1.8	1.5	1.4
Organic Solvent Evaporation	38.8	43.0	47.2	50.5	53.7	56.6	59.4	60.2	61.1	87.6	90.1	101.7	105.6	111.3	135.9	105.4	93.5	80.5
TOTAL (ALL SOURCE CATEGORIES)	632.7	650.2	684.5	695.1	749.1	789.7	914.9	883.6	980.6	1001.8	1184.4	1229.6	1315.8	1389.2	1429.1	1117.5	1071.3	1012.9

ACTIVITY INDICATORS 1900-1980 FOR STATE OF PENNSYLVANIA

SOURCE CATEGORY	1900	1905	1910	1915	1920	1925	1930	1935	1940	1945	1950	1955	1960	1965	1970	1975	1980
BITUMINOUS COAL (1000 TONS)	10354.0	16233.0	22681.7	30284.2	35192.1	41191.8	35978.2	26574.8	28926.2	32833.0	25850.0	26315.0	27118.0	27180.0	36482.0	40594.0	47203.0
ANTHRACITE COAL (1000 TONS)	15207.2	20599.7	22218.4	23293.0	23499.3	17548.2	6815.8	5150.0	8569.9	9674.4	12549.0	9712.0	8964.0	7527.0	6202.0	4339.0	2951.0
RESIDUAL OIL (1000 BBL)	-3.0	-3.0	-3.0	-3.0	-3.0	15693.2	14928.7	14875.0	15563.0	28271.0	33486.0	33375.0	37422.0	37321.0	56072.0	38822.0	30006.0
DISTILLATE OIL (1000 BBL)	-3.0	-3.0	-3.0	-3.0	-3.0	1216.3	1312.1	1531.0	1927.0	6746.0	10460.0	11577.0	40549.0	46297.0	53797.0	49937.0	45362.0
NATURAL GAS (10E6 CU. FT.)	-4.0	-4.0	168875.5	176367.0	161408.4	119498.8	108218.0	73162.9	121230.0	149104.0	264773.0	393540.0	528102.0	652598.0	772388.0	653742.0	775715.0
WOOD (1000 TONS)	5646.7	5364.3	5138.5	4912.6	4686.7	4460.9	4235.0	4065.6	3952.7	3670.3	3388.0	2985.0	2701.0	2754.0	3093.0	3341.0	6069.0
HIGHWAY VEHICLES																	
GASOLINE (1000 GAL)	-1.0	-1.0	-1.0	-1.0	-1.0	400100.0	898739.0	1130137.0	1517775.0	1169456.0	2113360.0	2753293.0	3238763.0	3671220.0	-1.0	-1.0	-1.0
DIESEL (1000 GAL)	-1.0	-1.0	-1.0	-1.0	-1.0	-1.0	-1.0	-1.0	-1.0	-1.0	25536.0	28896.0	90888.0	168252.0	336882.0	554064.0	695310.0
VMT (10E6 MILES)	-1.0	-1.0	-1.0	-1.0	-1.0	-1.0	-1.0	-1.0	-1.0	-1.0	-1.0	-1.0	-1.0	-1.0	56677.0	63702.0	71524.0
MISCELLANEOUS																	
RAILROADS-COAL (1000 TONS)	2347.7	3802.5	5261.4	6431.2	7353.2	6098.3	5242.6	4102.9	4590.1	6827.5	2945.0	597.0	72.0	0.0	0.0	0.0	0.0
RAILROADS-OIL (1000 BBL)	-1.0	-1.0	-1.0	-1.0	-1.0	308.9	290.4	238.0	258.0	653.0	4043.0	5923.0	5026.0	4628.0	3677.0	3096.0	4360.0
COKE PL (1000 TONS COAL)	13337.2	18397.3	27285.4	30848.0	34886.0	26782.2	24186.7	16961.9	26456.1	29974.9	23642.0	30637.0	21511.0	28398.0	26527.0	22796.0	17252.0
VES FUEL OIL (1000 BBL)	-1.0	-1.0	-1.0	-1.0	-1.0	3091.5	3670.3	2908.0	2170.0	3837.0	920.8	1961.0	1226.0	943.3	1066.1	982.1	1240.3
CEMENT PL (1000 TONS)	937.0	2597.0	5015.0	5386.0	5315.0	7961.0	7115.0	2914.0	5048.0	2926.0	7265.0	8810.0	6988.0	7396.0	7831.0	5881.0	5471.0
POPULATION (1000's)	6302.0	6983.5	7665.0	8192.5	8720.0	9175.5	9631.0	9765.5	9900.0	10199.0	10498.0	10908.5	11319.0	11556.5	11794.0	11906.0	11853.0
FOREST FIRES (1000 ACRES)	216.9	216.9	216.9	154.8	256.2	128.0	310.4	71.3	33.8	26.5	36.8	33.8	33.3	12.8	4.5	5.8	8.7
CRUDE OIL PROD. (1000 BBL)	13258.0	10437.0	9299.0	7838.0	7438.0	8097.0	12803.0	15810.0	17353.0	12515.0	11859.0	8531.0	6009.0	4922.0	4093.0	3264.0	2651.0
CRUDE OIL RUN (1000 BBL)	6022.9	12753.6	19515.2	26611.3	41931.6	72303.7	85016.7	91433.0	106424.0	141102.0	174567.0	218591.0	203247.0	192356.0	206783.0	225698.0	233071.0
OFF-HIGHWAY VEH. (1000 BBL)	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	325.0	466.0	469.0	1388.0	936.0	2252.0	2564.0
LAND AREA (1000 SQ.MI.)	44.9																

NOTE:Negative number indicates missing datum;see footnote at end of table

RHODE ISLAND VOC EMISSIONS (1000 METRIC TONS)

SOURCE CATEGORY	1900	1905	1910	1915	1920	1925	1930	1935	1940	1945	1950	1955	1960	1965	1970	1975	1980	1985
TRANSPORTATION (Total)	1.1	1.7	2.1	3.0	6.2	10.8	20.1	23.4	28.4	21.5	32.0	39.6	44.4	42.6	48.7	37.7	25.6	22.2
Highway Vehicles	0.0	0.0	0.2	1.2	4.2	9.1	18.6	22.2	27.1	19.4	29.9	37.6	42.9	39.8	45.7	36.0	24.4	21.1
Aircraft	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.3	0.6	0.9	1.2	1.9	1.2	0.8	0.7	0.8
Railroads- Oil-fired	NA	NA	NA	NA	NA	0.0	0.0	0.0	0.0	0.0	0.1	0.1	0.1	0.1	0.1	0.1	0.0	0.0
- Coal-fired	1.1	1.7	1.9	1.8	1.9	1.6	1.4	1.1	1.2	1.8	0.7	0.2	0.0	0.0	0.0	0.0	0.0	0.0
Vessels- Oil-fired	NA	NA	NA	NA	NA	0.1	0.1	0.1	0.1	0.0	0.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0
-Coal-fired	NA	NA	NA	NA	NA	NA	NA	NA	0.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Other Off-Highway Use	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	0.5	0.8	0.2	0.8	1.7	0.7	0.4	0.4
EXTERNAL FUEL COMBUSTION (Total) . . .	21.1	22.1	21.9	21.4	20.4	17.8	15.1	12.9	11.7	10.7	6.5	5.6	4.4	3.7	3.7	2.9	7.3	8.7
Anthracite Coal	4.2	5.5	5.8	6.0	6.0	4.4	3.0	2.2	1.9	2.2	0.6	0.3	0.0	0.0	0.0	0.0	0.0	0.0
Bituminous Coal	1.1	1.6	1.9	2.1	2.0	2.0	1.7	1.2	1.2	1.3	0.4	0.7	0.6	0.1	0.0	0.0	0.0	0.0
Residual Oil	NA	NA	NA	NA	NA	0.1	0.1	0.1	0.1	0.0	0.1	0.1	0.1	0.0	0.1	0.1	0.0	0.0
Distillate Oil	NA	NA	NA	NA	NA	0.0	0.0	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.0
Natural Gas	NA	NA	-0.0	-0.0	-0.0	-0.0	-0.0	-0.0	-0.0	-0.0	0.0	0.0	0.1	0.1	0.1	0.1	0.3	0.3
Wood	15.8	15.0	14.1	13.3	12.4	11.3	10.3	9.3	8.4	7.0	5.3	4.3	3.5	3.4	3.3	2.6	6.8	8.3
Coke and Other Fuels	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
INDUSTRIAL PROCESSES (Total)	1.0	1.3	1.7	2.1	3.5	5.7	8.8	10.1	12.6	13.8	18.9	18.8	20.6	29.3	28.7	25.5	25.3	24.4
Petroleum Refinery Process Operations	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Manufacture of Petrochemicals	0.0	0.0	0.0	0.0	0.0	0.1	0.1	0.1	0.1	0.2	0.3	0.7	1.0	1.5	2.6	2.9	3.1	3.2
Petrol. Production- Crude Oil	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
- Nat.Gas Liquids	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Petrol. Marketing - Gasoline	0.0	0.0	0.0	0.2	0.6	1.3	2.4	2.8	3.2	2.4	3.7	3.8	5.1	5.1	6.4	7.5	5.4	5.0
- Other Prod.	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	0.6	0.8	1.2	0.7	0.9	0.6	0.5	0.5
Surface Coating Operations	1.0	1.1	1.3	1.3	1.4	1.5	1.6	1.6	1.6	3.1	3.3	3.4	3.6	3.6	5.6	4.2	4.7	5.0
Misc. Indust. Processes	0.0	0.2	0.3	0.5	0.8	1.5	2.0	2.5	3.7	5.0	7.1	7.7	7.9	17.0	12.2	10.0	11.3	10.6
- Carbon Black Mfg.	0.0	0.0	0.0	0.2	0.6	1.3	2.7	3.2	3.9	3.1	3.8	2.4	2.0	1.4	1.0	0.4	0.3	0.3
SOLID WASTE DISPOSAL (Total)	4.1	4.4	4.6	4.5	4.5	4.5	4.6	4.5	4.4	5.5	5.7	6.5	6.7	7.8	8.4	3.9	2.7	2.5
Incineration	2.7	2.7	2.7	2.5	2.4	2.3	2.2	2.1	1.9	2.3	2.3	2.2	2.3	2.6	2.3	1.8	1.4	1.2
Open Burning	1.5	1.7	1.9	2.0	2.1	2.2	2.4	2.4	2.5	3.2	3.4	4.3	4.5	5.3	6.1	2.1	1.4	1.2
MISCELLANEOUS OTHER SOURCES (Total). .	3.2	16.3	3.9	4.2	4.3	6.1	9.2	5.3	5.0	7.2	7.4	8.1	8.4	9.2	11.3	8.6	7.8	6.8
Wildfires	0.3	0.3	0.3	0.5	0.3	1.9	4.8	0.7	0.3	0.4	0.3	0.1	0.1	0.2	0.2	0.1	0.1	0.1
Prescribed Fires	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1
Other Burning	0.1	13.0	0.1	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.1	0.1	0.0	0.0	0.0
Organic Solvent Evaporation	2.6	3.0	3.3	3.5	3.7	4.0	4.2	4.3	4.4	6.5	6.8	7.7	8.0	8.7	10.9	8.3	7.6	6.6
TOTAL (ALL SOURCE CATEGORIES)	30.6	45.9	34.1	35.4	38.7	44.9	57.8	56.1	62.0	58.7	70.5	78.5	84.6	92.7	100.8	78.6	68.7	64.6

ACTIVITY INDICATORS 1900-1980 FOR STATE OF RHODE ISLAND

SOURCE CATEGORY	1900	1905	1910	1915	1920	1925	1930	1935	1940	1945	1950	1955	1960	1965	1970	1975	1980
BITUMINOUS COAL (1000 TONS)	746.2	974.4	1137.3	1279.8	1287.2	1330.6	1150.6	874.7	974.3	1162.4	388.0	1053.0	1283.0	425.0	5.0	1.0	7.0
ANTHRACITE COAL (1000 TONS)	1284.2	1739.6	1876.3	1967.0	1984.4	1481.9	515.7	389.7	648.4	695.3	242.0	106.0	14.0	6.0	2.0	2.0	4.0
RESIDUAL OIL (1000 BBL)	-3.0	-3.0	-3.0	-3.0	-3.0	5616.1	4982.3	4738.0	5108.0	3342.0	8039.0	8553.0	5739.0	3538.0	9412.0	4411.0	2147.0
DISTILLATE OIL (1000 BBL)	-3.0	-3.0	-3.0	-3.0	-3.0	806.6	1323.3	2089.0	2639.0	2534.0	3600.0	2969.0	8139.0	7173.0	8237.0	7223.0	4271.0
NATURAL GAS (10E6 CU. FT.)	-4.0	-4.0	-2.0	-2.0	-1.0	-1.0	-1.0	-1.0	-1.0	-1.0	0.0	5486.0	11707.0	16823.0	25093.0	24565.0	93133.0
WOOD (1000 TONS)	301.7	286.6	274.5	262.4	250.4	238.3	226.3	217.2	211.2	196.1	181.0	173.0	166.0	206.0	304.0	233.0	430.0
HIGHWAY VEHICLES																	
GASOLINE (1000 GAL)	-1.0	-1.0	-1.0	-1.0	-1.0	41627.0	86872.0	106703.0	132074.0	99439.0	159218.0	226932.0	247752.0	282203.0	-1.0	-1.0	-1.0
DIESEL (1000 GAL)	-1.0	-1.0	-1.0	-1.0	-1.0	-1.0	-1.0	-1.0	-1.0	-1.0	1386.0	2520.0	6468.0	6426.0	25956.0	19908.0	26796.0
VMT (10E6 MILES)	-1.0	-1.0	-1.0	-1.0	-1.0	-1.0	-1.0	-1.0	-1.0	-1.0	-1.0	-1.0	-1.0	-1.0	4602.0	5660.0	5424.0
MISCELLANEOUS																	
RAILROADS-COAL (1000 TONS)	277.5	364.3	409.2	402.6	421.2	349.5	299.6	234.6	262.6	390.1	168.0	34.0	4.0	0.0	0.0	0.0	0.0
RAILROADS-OIL (1000 BBL)	-1.0	-1.0	-1.0	-1.0	-1.0	27.3	25.6	21.0	15.0	21.0	56.0	63.0	68.0	57.0	62.0	68.0	0.0
COKE PL (1000 TONS COAL)	42.8	48.1	56.7	49.2	67.6	81.0	96.3	79.3	143.2	185.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
VES FUEL OIL (1000 BBL)	-1.0	-1.0	-1.0	-1.0	-1.0	248.8	295.3	234.0	226.0	30.0	35.0	0.0	7.0	0.0	0.0	0.0	0.0
CEMENT PL (1000 TONS)	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
POPULATION (1000's)	429.0	486.0	543.0	573.5	604.0	645.5	687.0	700.0	713.0	752.5	792.0	825.5	859.0	903.0	947.0	943.0	968.0
FOREST FIRES (1000 ACRES)	2.6	2.6	2.6	3.7	2.4	14.7	37.4	5.4	2.5	3.5	4.1	0.7	0.9	1.3	1.1	0.9	0.7
CRUDE OIL PROD. (1000 BBL)	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
CRUDE OIL RUN (1000 BBL)	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
OFF-HIGHWAY VEH. (1000 BBL)	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	18.0	37.0	12.0	72.0	159.0	69.0	37.0
LAND AREA (1000 SQ.MI.)	1.0																

NOTE:Negative number indicates missing datum;see footnote at end of table

SOUTH CAROLINA VOC EMISSIONS (1000 METRIC TONS)

SOURCE CATEGORY	1900	1905	1910	1915	1920	1925	1930	1935	1940	1945	1950	1955	1960	1965	1970	1975	1980	1985
TRANSPORTATION (Total)	1.5	3.0	4.9	8.0	15.0	23.5	29.8	33.1	50.5	50.4	93.4	110.4	136.9	143.0	174.4	141.0	110.1	96.0
Highway Vehicles	0.0	0.1	0.5	2.3	8.1	17.5	24.3	28.5	45.1	41.3	80.2	99.5	124.6	132.2	164.4	131.1	102.3	88.4
Aircraft	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.7	1.7	2.4	3.3	5.3	3.2	2.6	2.6	2.6
Railroads- Oil-fired	NA	NA	NA	NA	NA	0.0	0.0	0.0	0.0	0.4	0.8	1.0	0.8	0.8	0.8	0.6	0.8	0.6
- Coal-fired	1.5	3.0	4.4	5.7	6.8	6.0	5.4	4.5	5.1	7.8	4.2	1.3	0.2	0.0	0.0	0.0	0.0	0.0
Vessels- Oil-fired	NA	NA	NA	NA	NA	0.0	0.0	0.0	0.1	0.0	0.2	0.5	1.3	1.1	0.3	1.5	1.6	1.7
-Coal-fired	NA	NA	NA	NA	NA	NA	NA	NA	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.0	0.0	0.0
Other Off-Highway Use	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	6.2	5.7	6.7	3.7	5.6	5.2	2.8	2.7
EXTERNAL FUEL COMBUSTION (Total) . . .	279.6	265.4	251.4	237.2	220.8	202.9	184.7	167.6	151.4	128.2	97.2	72.4	55.3	40.3	28.0	28.3	47.7	57.7
Anthracite Coal	0.1	0.2	0.2	0.2	0.2	0.1	-0.0	-0.0	-0.0	-0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Bituminous Coal	0.5	0.9	1.3	1.8	2.3	2.9	3.1	2.6	3.0	3.7	2.7	1.8	1.7	1.0	0.9	0.4	0.5	0.7
Residual Oil	NA	NA	NA	NA	NA	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.1	0.1	0.0
Distillate Oil	NA	NA	NA	NA	NA	0.0	0.0	0.0	0.0	0.0	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1
Natural Gas	NA	NA	-0.0	-0.0	-0.0	-0.0	-0.0	-0.0	-0.0	-0.0	0.0	0.3	0.4	0.5	0.7	0.5	0.7	0.7
Wood	279.0	264.3	249.9	235.2	218.4	199.8	181.6	165.0	148.4	124.5	94.4	70.2	53.1	38.7	26.2	27.1	46.3	56.3
Coke and Other Fuels	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
INDUSTRIAL PROCESSES (Total)	3.1	3.9	4.6	5.7	8.6	13.1	16.0	18.5	26.4	33.8	52.3	54.1	62.5	90.8	117.3	112.9	122.3	120.3
Petroleum Refinery Process Operations	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Manufacture of Petrochemicals	0.0	0.0	0.1	0.1	0.1	0.2	0.2	0.2	0.2	0.6	0.9	1.8	2.6	4.1	7.0	9.0	10.7	11.0
Petrol. Production- Crude Oil	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
- Nat.Gas Liquids	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Petrol. Marketing - Gasoline	0.0	0.0	0.1	0.3	1.1	2.4	3.1	3.6	5.4	5.1	9.9	10.0	14.9	16.7	23.2	27.1	22.5	20.7
- Other Prod.	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	0.9	1.6	1.6	2.1	2.6	3.0	3.9	3.4
Surface Coating Operations	3.1	3.3	3.5	3.7	3.9	4.0	4.0	4.2	4.4	8.3	11.2	13.3	15.6	16.4	47.3	41.4	45.1	47.5
Misc. Indust. Processes	0.0	0.5	0.9	1.3	2.3	4.1	5.1	6.4	9.8	13.3	19.1	21.0	21.8	46.9	33.4	30.9	39.0	36.5
- Carbon Black Mfg.	0.0	0.0	0.1	0.3	1.2	2.5	3.6	4.2	6.6	6.5	10.2	6.3	6.0	4.6	3.7	1.4	1.2	1.1
SOLID WASTE DISPOSAL (Total)	13.0	12.9	12.8	12.7	12.5	12.0	11.5	11.6	11.7	14.8	15.1	17.6	18.7	21.5	23.0	12.0	9.5	8.5
Incineration	8.3	8.0	7.6	7.1	6.6	6.0	5.5	5.3	5.1	6.2	6.1	5.9	6.3	7.0	6.4	5.6	4.7	4.2
Open Burning	4.6	4.9	5.3	5.5	5.8	5.9	6.0	6.3	6.6	8.6	9.0	11.7	12.4	14.5	16.6	6.4	4.8	4.3
MISCELLANEOUS OTHER SOURCES (Total). .	56.8	66.6	58.6	62.1	37.6	64.7	651.4	85.3	146.6	116.1	46.4	47.5	36.9	38.5	47.7	31.4	33.0	29.9
Wildfires	42.8	42.8	42.8	45.4	20.1	46.6	634.5	65.9	126.3	90.2	18.6	17.5	5.6	7.3	11.9	1.9	3.1	3.8
Prescribed Fires	2.1	2.1	2.1	2.1	2.1	2.1	1.6	2.1	2.5	2.6	3.5	3.1	3.5	3.0	2.6	2.6	2.4	2.5
Other Burning	3.6	12.9	4.4	4.7	5.1	5.5	4.5	6.1	6.1	6.1	6.2	6.0	5.6	4.2	3.4	1.2	1.0	0.9
Organic Solvent Evaporation	8.3	8.8	9.3	9.9	10.4	10.5	10.7	11.2	11.7	17.2	18.2	21.0	22.2	24.0	29.9	25.7	26.4	22.7
TOTAL (ALL SOURCE CATEGORIES)	354.0	351.9	332.3	325.6	294.5	316.2	893.3	316.1	386.6	343.3	304.5	302.1	310.2	334.1	390.3	325.5	322.6	312.4

ACTIVITY INDICATORS 1900-1980 FOR STATE OF SOUTH CAROLINA

SOURCE CATEGORY	1900	1905	1910	1915	1920	1925	1930	1935	1940	1945	1950	1955	1960	1965	1970	1975	1980
BITUMINOUS COAL (1000 TONS)	306.0	527.4	791.9	1150.8	1454.8	1914.4	2126.6	1937.9	2486.6	3420.0	2556.0	2635.0	3619.0	4334.0	6143.0	5651.0	9436.0
ANTHRACITE COAL (1000 TONS)	40.5	54.8	59.1	62.0	62.5	46.7	-1.0	-1.0	-1.0	-1.0	0.0	0.0	0.0	0.0	0.0	0.0	16.0
RESIDUAL OIL (1000 BBL)	-3.0	-3.0	-3.0	-3.0	-3.0	339.6	318.3	314.0	644.0	763.0	3239.0	3539.0	3173.0	2141.0	3771.0	6869.0	6310.0
DISTILLATE OIL (1000 BBL)	-3.0	-3.0	-3.0	-3.0	-3.0	80.4	95.1	124.0	388.0	657.0	2580.0	4318.0	7081.0	5345.0	8258.0	4704.0	4787.0
NATURAL GAS (10E6 CU. FT.)	-4.0	-4.0	-2.0	-2.0	-1.0	-1.0	-1.0	-1.0	-1.0	-1.0	0.0	38530.0	60568.0	89894.0	159830.0	122949.0	202449.0
WOOD (1000 TONS)	5330.0	5063.5	4850.3	4637.1	4423.9	4210.7	3997.5	3837.6	3731.0	3464.5	3198.0	2792.0	2507.0	2360.0	2384.0	2435.0	2914.0
HIGHWAY VEHICLES																	
GASOLINE (1000 GAL)	-1.0	-1.0	-1.0	-1.0	-1.0	79863.0	113413.0	137204.0	220359.0	211767.0	425392.0	599597.0	725983.0	918673.0	-1.0	-1.0	-1.0
DIESEL (1000 GAL)	-1.0	-1.0	-1.0	-1.0	-1.0	-1.0	-1.0	-1.0	-1.0	-1.0	5586.0	7056.0	13440.0	38556.0	93072.0	134862.0	225624.0
VMT (10E6 MILES)	-1.0	-1.0	-1.0	-1.0	-1.0	-1.0	-1.0	-1.0	-1.0	-1.0	-1.0	-1.0	-1.0	-1.0	16559.0	20603.0	22719.0
MISCELLANEOUS																	
RAILROADS-COAL (1000 TONS)	370.2	654.2	967.2	1245.2	1502.0	1318.5	1196.3	985.4	1135.9	1718.1	944.0	293.0	60.0	0.0	0.0	0.0	0.0
RAILROADS-OIL (1000 BBL)	-1.0	-1.0	-1.0	-1.0	-1.0	6.5	6.1	5.0	14.0	272.0	486.0	589.0	456.0	459.0	449.0	332.0	468.0
COKE PL (1000 TONS COAL)	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
VES FUEL OIL (1000 BBL)	-1.0	-1.0	-1.0	-1.0	-1.0	104.2	123.7	98.0	146.0	52.0	102.0	135.6	227.3	108.8	365.5	115.5	244.3
CEMENT PL (1000 TONS)	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	168.0	327.0	458.0	566.0	1899.0	1969.0	1780.0
POPULATION (1000's)	1340.0	1427.5	1515.0	1599.5	1684.0	1711.5	1739.0	1819.5	1900.0	2008.5	2117.0	2250.0	2383.0	2487.0	2591.0	2902.0	3347.0
FOREST FIRES (1000 ACRES)	337.2	337.2	337.2	357.3	158.0	366.6	4995.7	519.0	1130.9	710.0	239.4	138.1	44.6	41.4	64.8	12.6	24.7
CRUDE OIL PROD. (1000 BBL)	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
CRUDE OIL RUN (1000 BBL)	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
OFF-HIGHWAY VEH. (1000 BBL)	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	213.0	262.0	498.0	343.0	515.0	499.0	265.0
LAND AREA (1000 SQ.MI.)	30.2																

NOTE:Negative number indicates missing datum;see footnote at end of table

SOUTH DAKOTA VOC EMISSIONS (1000 METRIC TONS)

SOURCE CATEGORY	1900	1905	1910	1915	1920	1925	1930	1935	1940	1945	1950	1955	1960	1965	1970	1975	1980	1985
TRANSPORTATION (Total)	2.3	3.6	4.7	6.7	11.7	18.3	22.4	23.9	26.5	24.4	41.5	41.2	50.4	50.3	51.7	35.7	30.2	26.2
Highway Vehicles	0.0	0.1	0.4	1.9	6.5	14.1	18.8	21.2	23.6	20.0	36.4	35.3	43.3	42.2	46.5	32.2	27.9	24.1
Aircraft	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.2	0.5	0.7	0.9	1.4	0.8	0.6	0.5	0.6
Railroads- Oil-fired	NA	NA	NA	NA	NA	0.1	0.1	0.1	0.2	0.3	0.5	0.9	0.4	0.5	0.4	0.4	0.4	0.3
- Coal-fired	2.3	3.6	4.4	4.8	5.2	4.2	3.5	2.6	2.7	3.8	2.0	0.6	0.1	0.1	0.1	0.0	0.0	0.0
Vessels- Oil-fired	NA	NA	NA	NA	NA	-0.0	-0.0	-0.0	-0.0	-0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
-Coal-fired	NA	NA	NA	NA	NA	NA	NA	NA	0.1	0.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Other Off-Highway Use	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	2.1	3.6	5.7	6.0	3.8	2.4	1.4	1.3
EXTERNAL FUEL COMBUSTION (Total) . . .	12.4	12.3	12.1	11.9	11.2	10.3	9.1	8.1	7.4	6.7	4.5	3.1	2.3	1.4	1.1	1.3	2.1	2.5
Anthracite Coal	0.4	0.5	0.5	0.6	0.5	0.4	-0.0	-0.0	-0.0	-0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Bituminous Coal	0.7	1.2	1.5	1.9	1.9	1.9	1.8	1.4	1.4	1.7	0.6	0.3	0.2	0.1	0.2	0.2	0.2	0.2
Residual Oil	NA	NA	NA	NA	NA	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Distillate Oil	NA	NA	NA	NA	NA	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Natural Gas	NA	NA	0.0	0.0	0.0	0.0	0.0	0.1	0.1	0.0	0.1	0.1	0.1	0.1	0.2	0.1	0.2	0.1
Wood	11.3	10.7	10.1	9.5	8.8	8.1	7.3	6.7	6.0	5.0	3.8	2.6	1.9	1.1	0.7	1.0	1.7	2.1
Coke and Other Fuels	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
INDUSTRIAL PROCESSES (Total)	1.7	1.3	1.8	2.4	4.2	7.1	8.9	9.7	11.1	12.8	22.1	20.2	22.1	28.4	32.0	28.6	29.2	28.7
Petroleum Refinery Process Operations	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Manufacture of Petrochemicals	0.0	0.0	0.0	0.0	0.0	0.1	0.1	0.1	0.1	0.2	0.3	0.5	0.8	1.1	1.8	2.1	2.3	2.3
Petrol. Production- Crude Oil	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
- Nat.Gas Liquids	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Petrol. Marketing - Gasoline	0.0	0.0	0.1	0.3	0.9	1.9	2.4	2.6	[illegible]	2.5	4.5	3.5	5.2	5.3	6.6	6.7	6.1	5.7
- Other Prod.	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	0.6	1.2	0.6	0.8	1.2	1.0	1.2	1.1
Surface Coating Operations	1.7	1.1	1.3	1.4	1.5	1.5	1.6	1.5	1.5	2.6	6.3	6.6	7.2	7.0	12.8	11.2	10.9	11.5
Misc. Indust. Processes	0.0	0.2	0.3	0.5	0.9	1.6	2.0	2.3	3.3	4.3	5.9	6.2	6.2	12.7	8.6	7.2	8.2	7.7
- Carbon Black Mfg.	0.0	0.0	0.1	0.3	0.9	2.0	2.8	3.1	3.4	3.2	4.6	2.2	2.1	1.5	1.1	0.4	0.3	0.3
SOLID WASTE DISPOSAL (Total)	3.9	4.5	4.9	4.8	4.7	4.6	4.6	4.3	4.0	4.8	4.7	5.2	5.3	5.8	5.9	2.8	2.3	1.8
Incineration	2.5	2.8	2.9	2.7	2.5	2.3	2.2	2.0	1.7	2.0	1.9	1.8	1.8	1.9	1.6	1.3	1.3	0.9
Open Burning	1.4	1.7	2.0	2.1	2.2	2.3	2.4	2.3	2.2	2.8	2.8	3.5	3.5	3.9	4.3	1.5	1.0	0.9
MISCELLANEOUS OTHER SOURCES (Total). .	17.3	21.5	20.3	21.3	22.2	23.6	25.0	25.5	27.7	34.2	30.4	29.2	31.8	25.1	27.3	21.2	22.2	22.9
Wildfires	0.1	0.1	0.1	0.1	0.0	0.0	0.0	0.3	0.9	5.9	0.3	0.0	2.6	0.5	4.5	5.5	7.9	9.4
Prescribed Fires	5.4	5.4	5.4	5.4	5.4	5.4	5.5	5.5	6.7	6.8	8.8	7.9	8.8	7.6	6.6	6.6	6.1	6.3
Other Burning	9.3	13.0	11.2	12.0	12.8	14.0	15.2	15.7	16.2	15.9	15.8	15.1	14.1	10.5	8.5	3.0	2.6	2.4
Organic Solvent Evaporation	2.5	3.0	3.6	3.8	3.9	4.1	4.3	4.1	4.0	5.6	5.6	6.2	6.4	6.5	7.7	6.0	5.6	4.8
TOTAL (ALL SOURCE CATEGORIES)	37.5	43.3	44.0	47.2	54.1	64.0	70.1	71.4	76.7	82.8	103.2	98.9	111.9	111.1	118.0	89.6	85.7	82.1

ACTIVITY INDICATORS 1900-1980 FOR STATE OF SOUTH DAKOTA

SOURCE CATEGORY	1900	1905	1910	1915	1920	1925	1930	1935	1940	1945	1950	1955	1960	1965	1970	1975	1980
BITUMINOUS COAL (1000 TONS)	490.1	706.3	916.5	1183.7	1200.5	1226.5	1230.4	994.8	1122.3	1538.6	568.0	491.0	495.0	614.0	1290.0	2200.0	2939.0
ANTHRACITE COAL (1000 TONS)	117.5	159.2	171.7	180.0	181.6	135.6	-1.0	-1.0	-1.0	-1.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
RESIDUAL OIL (1000 BBL)	-3.0	-3.0	-3.0	-3.0	-3.0	125.7	106.8	103.0	105.0	76.0	167.0	84.0	46.0	47.0	337.0	152.0	107.0
DISTILLATE OIL (1000 BBL)	-3.0	-3.0	-3.0	-3.0	-3.0	58.0	97.5	123.0	298.0	303.0	958.0	1304.0	3063.0	3154.0	2954.0	2301.0	1374.0
NATURAL GAS (10E6 CU. FT.)	-4.0	-4.0	43.3	26.0	20.0	4.0	2905.0	3945.6	6454.0	2141.0	8974.0	17262.0	24882.0	26697.0	36319.0	32534.0	46578.0
WOOD (1000 TONS)	215.0	204.3	195.6	187.0	178.4	169.8	161.3	154.8	150.5	139.8	129.0	105.0	89.0	65.0	67.0	86.0	109.0
HIGHWAY VEHICLES																	
GASOLINE (1000 GAL)	-1.0	-1.0	-1.0	-1.0	-1.0	64187.0	88053.0	102027.0	114953.0	102763.0	191393.0	208483.0	252220.0	291398.0	-1.0	-1.0	-1.0
DIESEL (1000 GAL)	-1.0	-1.0	-1.0	-1.0	-1.0	-1.0	-1.0	-1.0	-1.0	-1.0	4032.0	6762.0	4494.0	14196.0	44688.0	41748.0	71736.0
VMT (10E6 MILES)	-1.0	-1.0	-1.0	-1.0	-1.0	-1.0	-1.0	-1.0	-1.0	-1.0	-1.0	-1.0	-1.0	-1.0	4689.0	5060.0	6195.0
MISCELLANEOUS																	
RAILROADS-COAL (1000 TONS)	548.6	782.7	963.7	1056.8	1138.0	915.7	763.2	578.5	607.1	827.6	451.0	146.0	31.0	15.0	7.0	0.0	0.0
RAILROADS-OIL (1000 BBL)	-1.0	-1.0	-1.0	-1.0	-1.0	70.1	65.9	54.0	112.0	197.0	297.0	534.0	222.0	304.0	219.0	259.0	217.0
COKE PL (1000 TONS COAL)	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
VES FUEL OIL (1000 BBL)	-1.0	-1.0	-1.0	-1.0	-1.0	-1.0	-1.0	-1.0	-1.0	-1.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
CEMENT PL (1000 TONS)	7.0	-1.0	0.0	0.0	0.0	-1.0	-1.0	-1.0	-1.0	-1.0	244.0	309.0	351.0	384.0	524.0	565.0	464.0
POPULATION (1000's)	402.0	493.0	584.0	610.5	637.0	665.0	693.0	668.0	643.0	648.0	653.0	667.0	681.0	673.5	666.0	681.0	708.0
FOREST FIRES (1000 ACRES)	1.1	1.1	1.1	0.9	0.1	0.3	0.2	2.2	7.8	46.6	3.3	0.3	21.2	3.0	24.5	36.9	62.2
CRUDE OIL PROD. (1000 BBL)	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	30.0	281.0	219.0	160.0	472.0	765.0
CRUDE OIL RUN (1000 BBL)	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
OFF-HIGHWAY VEH. (1000 BBL)	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	71.0	168.0	425.0	568.0	352.0	235.0	129.0
LAND AREA (1000 SQ.MI.)	75.9																

NOTE:Negative number indicates missing datum;see footnote at end of table

TENNESSEE VOC EMISSIONS (1000 METRIC TONS)

SOURCE CATEGORY	1900	1905	1910	1915	1920	1925	1930	1935	1940	1945	1950	1955	1960	1965	1970	1975	1980	1985
TRANSPORTATION (Total)	5.4	8.2	10.3	13.5	23.1	35.5	52.9	69.4	70.9	79.9	140.9	165.9	216.9	231.6	226.1	240.1	167.7	145.6
Highway Vehicles	0.0	0.1	0.7	3.4	11.8	25.4	43.7	61.8	61.6	64.2	120.3	148.1	194.2	203.6	205.7	209.6	150.8	130.4
Aircraft	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.1	1.2	2.6	3.7	4.9	8.0	4.8	3.8	3.6	3.7
Railroads- Oil-fired	NA	NA	NA	NA	NA	0.2	0.1	0.1	0.4	0.9	2.4	2.9	3.2	3.6	3.7	3.8	5.2	3.7
- Coal-fired	5.4	8.1	9.6	10.1	11.3	9.9	9.0	7.4	8.4	12.9	7.0	2.2	0.3	0.0	0.0	0.0	0.0	0.0
Vessels- Oil-fired	NA	NA	NA	NA	NA	0.0	0.0	0.0	0.1	0.3	0.2	0.4	0.4	2.2	0.3	6.1	1.7	1.7
-Coal-fired	NA	NA	NA	NA	NA	NA	NA	NA	0.4	0.4	0.2	0.3	0.2	0.2	0.2	0.1	0.0	0.0
Other Off-Highway Use	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	8.1	8.5	13.7	14.1	11.4	16.8	6.4	6.1
EXTERNAL FUEL COMBUSTION (Total) . . .	339.8	323.4	306.9	290.0	270.1	248.4	226.8	206.1	187.7	161.8	120.5	80.9	63.6	49.0	38.2	38.4	80.4	97.3
Anthracite Coal	0.0	0.0	0.0	0.0	0.0	0.0	-0.0	-0.0	-0.0	-0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Bituminous Coal	2.8	4.1	5.0	6.0	6.3	7.1	7.5	6.8	8.3	11.1	6.0	6.8	6.7	3.5	2.6	2.0	1.5	1.8
Residual Oil	NA	NA	NA	NA	NA	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Distillate Oil	NA	NA	NA	NA	NA	0.0	0.0	0.0	0.0	0.0	0.1	0.1	0.0	0.0	0.1	0.2	0.1	0.1
Natural Gas	NA	NA	0.0	0.0	0.0	0.0	0.0	0.1	0.1	0.3	0.4	0.8	0.9	1.1	1.1	0.9	1.1	1.0
Wood	336.7	319.1	301.7	283.8	263.6	241.2	219.2	199.1	179.1	150.3	114.0	73.2	55.9	44.4	34.4	35.3	77.6	94.4
Coke and Other Fuels	0.3	0.2	0.2	0.2	0.1	0.1	0.1	0.0	0.1	0.1	0.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0
INDUSTRIAL PROCESSES (Total)	4.7	5.7	6.6	8.1	12.1	19.0	26.0	33.0	38.4	52.3	94.8	93.9	104.7	146.3	149.9	146.2	156.9	152.7
Petroleum Refinery Process Operations	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Manufacture of Petrochemicals	0.0	0.1	0.1	0.1	0.2	0.2	0.2	0.3	0.3	0.9	1.4	2.7	4.0	6.2	10.6	13.2	15.3	15.6
Petrol. Production- Crude Oil	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
- Nat.Gas Liquids	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Petrol. Marketing - Gasoline	0.0	0.0	0.1	0.5	1.6	3.5	5.6	7.7	7.3	8.0	14.9	14.8	23.0	25.7	29.0	43.3	33.1	30.6
- Other Prod.	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	1.3	1.8	2.4	3.0	4.8	5.5	6.5	5.8
Surface Coating Operations	4.7	4.9	5.0	5.2	5.4	5.7	6.0	6.4	6.7	12.8	32.3	33.0	33.4	33.7	50.2	36.3	44.7	47.1
Misc. Indust. Processes	0.0	0.8	1.2	1.8	3.2	5.9	7.6	9.7	15.1	20.6	29.7	32.1	32.6	70.7	50.7	45.5	55.5	51.9
- Carbon Black Mfg.	0.0	0.0	0.1	0.5	1.7	3.7	6.4	9.0	9.0	10.1	15.3	9.5	9.3	7.1	4.7	2.3	1.8	1.6
SOLID WASTE DISPOSAL (Total)	19.5	19.0	18.5	17.9	17.3	17.3	17.4	17.7	18.0	22.8	23.5	26.8	27.9	32.5	34.8	17.6	13.5	12.1
Incineration	12.5	11.7	10.9	10.1	9.2	8.7	8.3	8.1	7.8	9.6	9.5	9.0	9.4	10.6	9.7	8.2	6.7	6.0
Open Burning	7.0	7.3	7.6	7.8	8.1	8.6	9.1	9.6	10.1	13.2	14.0	17.8	18.5	21.8	25.1	9.4	6.8	6.1
MISCELLANEOUS OTHER SOURCES (Total). .	54.8	55.8	56.9	53.4	42.6	66.6	136.3	81.4	145.3	105.8	82.0	53.7	51.8	50.9	60.0	46.4	50.4	46.7
Wildfires	34.5	34.5	34.5	30.1	18.3	40.9	109.2	53.0	115.4	67.0	40.6	9.2	6.2	4.9	6.6	3.3	8.1	9.7
Prescribed Fires	2.9	2.9	2.9	2.9	2.9	2.9	2.9	2.9	3.5	3.6	4.7	4.3	4.8	4.1	3.6	3.6	3.3	3.4
Other Burning	5.0	5.5	6.0	6.5	6.9	7.5	8.0	8.4	8.5	8.5	8.4	8.2	7.6	5.7	4.6	1.6	1.4	1.3
Organic Solvent Evaporation	12.5	13.0	13.5	13.9	14.4	15.3	16.1	17.1	18.0	26.6	28.3	32.0	33.3	36.1	45.2	37.8	37.6	32.3
TOTAL (ALL SOURCE CATEGORIES)	424.2	412.3	399.1	382.9	365.2	386.9	459.3	407.6	460.3	422.7	461.8	421.3	465.0	510.2	509.0	488.6	468.9	454.5

ACTIVITY INDICATORS 1900-1980 FOR STATE OF TENNESSEE

SOURCE CATEGORY	1900	1905	1910	1915	1920	1925	1930	1935	1940	1945	1950	1955	1960	1965	1970	1975	1980
BITUMINOUS COAL (1000 TONS)	1804.9	2470.0	3052.5	3704.2	4025.7	4669.2	5194.4	5017.8	6887.3	10322.1	5742.0	9926.0	14717.0	14438.0	18138.0	26463.0	26117.0
ANTHRACITE COAL (1000 TONS)	5.9	8.0	8.6	9.0	9.1	6.8	-1.0	-1.0	-1.0	-1.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
RESIDUAL OIL (1000 BBL)	-3.0	-3.0	-3.0	-3.0	-3.0	169.5	163.9	170.0	202.0	587.0	594.0	346.0	165.0	208.0	587.0	763.0	1424.0
DISTILLATE OIL (1000 BBL)	-3.0	-3.0	-3.0	-3.0	-3.0	189.1	217.2	272.0	354.0	1159.0	2254.0	2722.0	2555.0	2980.0	5911.0	8157.0	4675.0
NATURAL GAS (10E6 CU. FT.)	-4.0	-4.0	1.2	401.0	721.9	1487.1	7334.0	10388.9	16819.0	28835.0	73741.0	120236.0	159932.0	208129.0	254883.0	216941.0	314539.0
WOOD (1000 TONS)	6433.3	6111.7	5854.3	5597.0	5339.7	5082.3	4825.0	4632.0	4503.3	4181.7	3860.0	2912.0	2637.0	2706.0	3126.0	3166.0	4886.0
HIGHWAY VEHICLES																	
GASOLINE (1000 GAL)	-1.0	-1.0	-1.0	-1.0	-1.0	116137.0	204187.0	297120.0	300562.0	329429.0	637698.0	892513.0	1124925.0	1416225.0	-1.0	-1.0	-1.0
DIESEL (1000 GAL)	-1.0	-1.0	-1.0	-1.0	-1.0	-1.0	-1.0	-1.0	-1.0	-1.0	8946.0	9912.0	27006.0	58548.0	178164.0	245784.0	381360.0
VMT (10E6 MILES)	-1.0	-1.0	-1.0	-1.0	-1.0	-1.0	-1.0	-1.0	-1.0	-1.0	-1.0	-1.0	-1.0	-1.0	20719.0	32926.0	33505.0
MISCELLANEOUS																	
RAILROADS-COAL (1000 TONS)	1299.0	1788.4	2117.7	2227.2	2485.8	2182.0	1979.9	1630.9	1880.5	2844.7	1563.0	486.0	99.0	0.0	0.0	0.0	0.0
RAILROADS-OIL (1000 BBL)	-1.0	-1.0	-1.0	-1.0	-1.0	111.6	104.9	86.0	234.0	608.0	1425.0	1761.0	1874.0	2117.0	2150.0	2228.0	3045.0
COKE PL (1000 TONS COAL)	433.5	509.4	636.8	598.7	592.2	396.8	319.7	210.6	306.0	319.4	332.0	259.0	199.0	185.0	177.0	170.0	120.0
VES FUEL OIL (1000 BBL)	-1.0	-1.0	-1.0	-1.0	-1.0	45.7	54.3	43.0	243.0	610.0	146.8	121.0	72.0	216.6	286.8	459.3	245.8
CEMENT PL (1000 TONS)	0.0	0.0	-1.0	-1.0	-1.0	-1.0	-1.0	-1.0	-1.0	-1.0	1257.0	1525.0	1490.0	1660.0	1604.0	1198.0	1328.0
POPULATION (1000's)	2021.0	2103.0	2185.0	2261.5	2338.0	2477.5	2617.0	2766.5	2916.0	3104.0	3292.0	3429.5	3567.0	3745.5	3924.0	4276.0	4762.0
FOREST FIRES (1000 ACRES)	271.3	271.3	271.3	236.8	144.1	322.0	859.7	417.5	1032.8	527.8	523.6	73.1	49.5	28.0	35.8	22.0	63.9
CRUDE OIL PROD. (1000 BBL)	0.0	0.0	0.0	0.0	14.0	24.0	21.0	15.0	24.0	8.0	12.0	13.0	20.0	11.0	309.0	682.0	743.0
CRUDE OIL RUN (1000 BBL)	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
OFF-HIGHWAY VEH. (1000 BBL)	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	277.0	391.0	1020.0	1321.0	1047.0	1612.0	601.0
LAND AREA (1000 SQ.MI.)	41.3																

NOTE:Negative number indicates missing datum;see footnote at end of table

TEXAS VOC EMISSIONS (1000 METRIC TONS)

SOURCE CATEGORY	1900	1905	1910	1915	1920	1925	1930	1935	1940	1945	1950	1955	1960	1965	1970	1975	1980	1985
TRANSPORTATION (Total)	9.4	14.0	17.9	28.1	60.7	142.8	204.0	212.2	285.9	301.1	536.4	607.3	756.2	784.4	738.9	693.7	654.9	584.3
Highway Vehicles	0.0	0.4	2.5	12.9	45.0	96.8	160.3	176.9	246.8	228.8	453.2	532.1	649.4	675.5	675.3	525.7	497.0	429.5
Aircraft	0.0	0.0	0.0	0.0	0.0	0.0	0.1	0.1	0.1	2.6	6.2	9.3	13.1	22.1	13.8	11.1	12.5	12.9
Railroads- Oil-fired	NA	NA	NA	NA	NA	28.5	26.8	22.0	25.8	48.0	33.4	12.7	13.5	11.4	12.7	20.5	13.4	9.6
- Coal-fired	9.4	13.7	15.4	15.2	15.7	12.6	10.5	8.0	8.2	11.4	6.1	2.0	0.3	0.4	0.2	0.0	0.0	0.0
Vessels- Oil-fired	NA	NA	NA	NA	NA	4.8	6.3	5.3	4.9	10.2	10.8	24.8	26.3	30.3	3.2	91.3	85.2	88.0
-Coal-fired	NA	NA	NA	NA	NA	NA	NA	NA	0.1	0.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Other Off-Highway Use	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	26.8	26.4	53.6	44.8	33.6	45.1	46.8	44.3
EXTERNAL FUEL COMBUSTION (Total) . . .	214.2	204.0	193.5	183.1	171.0	158.7	143.6	135.7	122.9	113.6	84.1	76.7	67.0	58.5	50.3	54.0	89.9	103.9
Anthracite Coal	0.0	0.1	0.1	0.1	0.1	0.0	-0.0	-0.0	-0.0	-0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Bituminous Coal	2.1	3.0	3.5	3.9	3.8	3.8	3.3	2.2	2.0	2.0	0.2	0.7	0.6	0.1	0.0	0.8	2.9	3.5
Residual Oil	NA	NA	NA	NA	NA	0.1	0.1	0.1	0.2	0.4	0.1	0.1	0.1	0.0	0.0	0.2	0.2	0.1
Distillate Oil	NA	NA	NA	NA	NA	0.0	0.0	0.0	0.0	0.4	0.2	0.3	0.1	0.1	0.2	0.5	0.4	0.3
Natural Gas	NA	NA	-0.0	0.3	1.1	2.8	2.1	8.0	7.8	16.0	11.7	16.9	19.1	19.9	17.2	16.8	16.1	14.5
Wood	212.1	200.9	190.0	178.8	166.0	151.9	138.0	125.4	112.8	94.6	71.8	58.4	47.2	38.4	32.8	35.6	70.3	85.5
Coke and Other Fuels	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.1	0.1	0.1	0.1	0.0	0.0	0.1	0.1	0.1	0.1
INDUSTRIAL PROCESSES (Total)	8.5	28.8	38.6	58.9	99.6	157.7	207.9	229.3	309.2	410.4	487.3	572.8	586.7	731.1	807.5	857.8	1019.1	946.4
Petroleum Refinery Process Operations	0.8	17.2	25.8	34.1	54.9	84.0	94.0	95.6	134.6	135.1	141.6	191.9	184.4	189.9	199.8	257.9	295.8	230.4
Manufacture of Petrochemicals	0.0	0.1	0.2	0.2	0.3	0.5	0.5	0.6	0.7	2.1	3.3	6.8	10.6	17.1	30.3	38.8	52.5	53.7
Petrol. Production- Crude Oil	0.0	1.8	0.6	1.6	6.1	9.1	18.4	24.8	31.2	47.7	52.4	66.5	60.4	63.2	78.9	77.1	61.7	63.0
- Nat.Gas Liquids	0.0	0.3	0.1	0.3	1.1	1.7	3.4	4.6	5.8	17.5	19.3	35.1	31.9	39.3	55.6	61.4	55.5	56.6
Petrol. Marketing - Gasoline	0.0	0.1	0.3	1.8	6.2	13.3	20.7	22.0	29.3	28.4	55.0	52.5	76.3	84.8	95.2	108.7	109.1	100.8
- Other Prod.	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	9.7	13.6	10.4	10.7	12.4	16.0	20.2	18.0
Surface Coating Operations	7.6	8.0	9.0	15.7	18.1	22.7	30.3	34.4	38.4	96.8	79.7	92.0	94.3	106.7	175.7	158.3	227.6	240.0
Misc. Indust. Processes	0.1	1.3	2.2	3.4	6.4	12.4	17.0	21.5	33.2	46.8	69.6	80.8	87.6	196.1	144.5	133.7	190.6	178.5
- Carbon Black Mfg.	0.0	0.1	0.4	1.9	6.5	14.0	23.7	25.8	35.9	36.0	56.7	33.5	30.8	23.4	15.3	5.8	6.0	5.3
SOLID WASTE DISPOSAL (Total)	29.5	31.4	33.0	33.9	34.5	36.6	38.7	39.2	39.5	52.0	55.2	67.6	75.0	90.0	99.3	51.8	46.3	41.6
Incineration	18.9	19.4	19.5	19.0	18.3	18.4	18.5	17.9	17.3	21.9	22.3	22.7	25.3	29.4	27.7	24.2	23.0	20.7
Open Burning	10.6	12.0	13.5	14.8	16.2	18.2	20.2	21.2	22.3	30.1	32.8	44.9	49.7	60.6	71.6	27.6	23.3	20.9
MISCELLANEOUS OTHER SOURCES (Total). .	131.8	108.0	143.7	337.2	97.4	177.9	353.7	175.9	221.1	222.0	181.6	165.1	183.7	166.8	184.9	146.9	392.9	419.7
Wildfires	62.5	62.5	62.5	251.2	5.8	78.7	247.0	65.4	102.8	83.4	30.7	5.1	15.5	4.2	3.7	2.5	234.0	278.9
Prescribed Fires	18.6	18.6	18.6	18.5	18.6	18.7	18.8	18.8	23.2	23.4	30.4	27.2	30.2	26.2	22.7	22.8	21.0	21.6
Other Burning	31.9	5.5	38.5	41.1	44.3	48.2	52.0	53.9	55.5	54.7	54.3	52.1	48.6	36.4	29.4	10.4	8.8	8.1
Organic Solvent Evaporation	18.8	21.4	24.0	26.4	28.7	32.3	35.9	37.7	39.6	60.6	66.2	80.6	89.4	100.1	129.1	111.3	129.1	111.1
TOTAL (ALL SOURCE CATEGORIES)	393.4	386.3	426.7	641.1	463.3	673.7	947.9	792.3	978.5	1099.2	1344.5	1489.4	1668.8	1830.9	1880.9	1804.2	2203.1	2095.8

ACTIVITY INDICATORS 1900-1980 FOR STATE OF TEXAS

SOURCE CATEGORY	1900	1905	1910	1915	1920	1925	1930	1935	1940	1945	1950	1955	1960	1965	1970	1975	1980
BITUMINOUS COAL (1000 TONS)	1357.6	1793.2	2123.4	2452.0	2414.7	2486.8	2243.6	1592.6	1671.9	1897.9	152.0	1088.0	1267.0	480.0	19.0	11395.0	50058.0
ANTHRACITE COAL (1000 TONS)	14.4	19.5	21.0	22.0	22.2	16.6	-1.0	-1.0	-1.0	-1.0	0.0	0.0	0.0	0.0	0.0	0.0	2.0
RESIDUAL OIL (1000 BBL)	-3.0	-3.0	-3.0	-3.0	-3.0	10651.9	10291.9	10414.0	12490.0	34126.0	6519.0	8938.0	4268.0	1474.0	2872.0	16295.0	16294.0
DISTILLATE OIL (1000 BBL)	-3.0	-3.0	-3.0	-3.0	-3.0	303.5	387.2	525.0	821.0	16352.0	7923.0	11699.0	6865.0	5664.0	16226.0	24352.0	24459.0
NATURAL GAS (10E6 CU. FT.)	-4.0	-4.0	-4.0	13324.1	57512.6	159307.6	526160.0	562696.9	874294.0	1452287.0	1989959.0	2509820.0	3226608.0	3646470.0	4093357.0	3944377.0	4503198.0
WOOD (1000 TONS)	4051.7	3849.1	3687.0	3524.9	3362.9	3200.8	3038.8	2917.2	2836.2	2633.6	2431.0	2325.0	2227.0	2342.0	2976.0	3191.0	4423.0
HIGHWAY VEHICLES																	
GASOLINE (1000 GAL)	-1.0	-1.0	-1.0	-1.0	-1.0	441840.0	749111.0	850753.0	1204397.0	1173339.0	2356756.0	3160619.0	3728618.0	4676616.0	-1.0	-1.0	-1.0
DIESEL (1000 GAL)	-1.0	-1.0	-1.0	-1.0	-1.0	-1.0	-1.0	-1.0	-1.0	-1.0	78582.0	82446.0	123668.0	215754.0	458850.0	718830.0	1183140.0
VMT (10E6 MILES)	-1.0	-1.0	-1.0	-1.0	-1.0	-1.0	-1.0	-1.0	-1.0	-1.0	-1.0	-1.0	-1.0	-1.0	68031.0	82582.0	110381.0
MISCELLANEOUS																	
RAILROADS-COAL (1000 TONS)	2274.6	3000.6	3382.3	3351.1	3452.4	2776.7	2313.1	1752.2	1838.2	2504.6	1365.0	443.0	93.0	46.0	21.0	0.0	0.0
RAILROADS-OIL (1000 BBL)	-1.0	-1.0	-1.0	-1.0	-1.0	20874.7	19626.6	16086.0	15139.0	31101.0	19577.0	7761.0	7910.0	6660.0	7428.0	12012.0	7831.0
COKE PL (1000 TONS COAL)	0.0	0.0	0.0	0.0	0.0	0.0	53.1	102.5	267.8	434.8	961.0	1042.0	0.0	922.0	1125.0	975.0	840.0
VES FUEL OIL (1000 BBL)	-1.0	-1.0	-1.0	-1.0	-1.0	16060.4	19067.0	15107.0	13720.0	19294.0	6514.8	7119.8	4507.3	3042.6	3402.6	6912.0	12660.0
CEMENT PL (1000 TONS)	5.0	-1.0	-1.0	365.0	482.0	913.0	1274.0	712.0	1386.0	1511.0	3224.0	4557.0	4360.0	5785.0	6502.0	7074.0	9151.0
POPULATION (1000's)	3049.0	3473.0	3897.0	4280.0	4663.0	5244.0	5825.0	6120.0	6415.0	7063.0	7711.0	8645.5	9580.0	10388.5	11197.0	12569.0	16370.0
FOREST FIRES (1000 ACRES)	492.1	492.1	492.1	1978.1	45.4	619.7	1944.5	514.9	920.2	656.3	395.9	40.6	124.6	23.7	20.4	16.4	1837.2
CRUDE OIL PROD. (1000 BBL)	836.0	28136.0	9534.0	24943.0	96868.0	144648.0	290457.0	392666.0	493209.0	754710.0	829874.0	1053297.0	974275.0	1000749.0	1249697.0	1221929.0	977436.0
CRUDE OIL RUN (1000 BBL)	17278.4	36587.1	55984.7	76341.6	120292.1	207422.6	243893.2	262300.0	399725.0	487927.0	555306.0	764396.0	777758.0	889679.0	1105628.0	1334772.0	1508090.0
OFF-HIGHWAY VEH. (1000 BBL)	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	918.0	1218.0	4003.0	4211.0	3083.0	4342.0	4394.0
LAND AREA (1000 SQ.MI.)	262.1																

NOTE:Negative number indicates missing datum;see footnote at end of table

UTAH VOC EMISSIONS (1000 METRIC TONS)

SOURCE CATEGORY	1900	1905	1910	1915	1920	1925	1930	1935	1940	1945	1950	1955	1960	1965	1970	1975	1980	1985
TRANSPORTATION (Total)	1.4	2.4	3.3	4.6	7.2	10.4	15.5	16.4	23.5	24.2	51.4	52.8	66.9	70.1	71.8	63.4	61.6	53.5
Highway Vehicles	0.0	0.0	0.2	0.9	3.1	6.6	12.3	13.9	20.7	20.0	38.8	43.0	57.6	60.0	60.6	50.6	48.8	42.2
Aircraft	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.2	0.6	0.9	1.2	2.1	1.3	1.1	1.3	1.3
Railroads- Oil-fired	NA	NA	NA	NA	NA	0.5	0.4	0.4	0.5	0.9	4.7	3.3	3.4	2.8	2.9	3.7	4.0	2.9
- Coal-fired	1.4	2.4	3.2	3.7	4.2	3.3	2.8	2.1	2.2	3.0	1.6	0.5	0.1	0.1	0.1	0.0	0.0	0.0
Vessels- Oil-fired	NA	NA	NA	NA	NA	-0.0	-0.0	-0.0	-0.0	-0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
-Coal-fired	NA	NA	NA	NA	NA	NA	NA	NA	0.1	0.1	0.1	0.1	0.0	0.0	0.0	0.0	0.0	0.0
Other Off-Highway Use	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	5.6	5.1	4.6	5.1	6.8	8.1	7.5	7.1
EXTERNAL FUEL COMBUSTION (Total) . . .	17.7	17.4	17.0	16.8	16.0	15.2	14.0	12.4	11.4	10.5	8.7	6.2	4.1	2.9	2.4	3.1	6.6	7.6
Anthracite Coal	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Bituminous Coal	0.9	1.4	1.9	2.6	2.8	3.1	3.0	2.2	2.1	2.4	2.6	1.6	0.5	0.2	0.2	0.2	0.3	0.4
Residual Oil	NA	NA	NA	NA	NA	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.1	0.1	0.1	0.1	0.0	0.0
Distillate Oil	NA	NA	NA	NA	NA	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.1	0.0	0.0
Natural Gas	NA	NA	-0.0	-0.0	-0.0	-0.0	0.0	0.1	0.1	0.3	0.2	0.4	0.4	0.7	0.5	0.5	0.8	0.7
Wood	16.7	15.8	14.9	14.0	13.0	11.9	10.8	9.9	8.9	7.4	5.6	3.8	2.7	1.9	1.5	1.9	5.1	6.3
Coke and Other Fuels	0.1	0.1	0.2	0.1	0.1	0.1	0.1	0.1	0.3	0.3	0.3	0.3	0.3	0.1	0.2	0.3	0.2	0.2
INDUSTRIAL PROCESSES (Total)	2.1	1.0	4.2	3.7	6.2	4.9	7.0	7.8	10.7	14.0	28.0	31.6	39.1	48.9	51.1	55.7	66.3	63.2
Petroleum Refinery Process Operations	0.0	0.2	0.2	0.3	0.5	0.8	0.9	0.9	1.1	1.6	4.4	7.0	7.2	7.1	7.1	8.3	8.7	6.8
Manufacture of Petrochemicals	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.1	0.2	0.3	0.6	1.0	1.6	2.9	3.8	5.3	5.4
Petrol. Production- Crude Oil	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.1	0.1	2.3	1.6	1.5	2.7	1.6	1.6
- Nat.Gas Liquids	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.1	1.2	1.0	1.0	2.1	1.4	1.4
Petrol. Marketing - Gasoline	0.0	0.0	0.0	0.1	0.4	0.9	1.6	1.7	2.5	2.5	4.5	4.0	6.6	7.1	8.5	10.5	10.7	9.9
- Other Prod.	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	1.9	2.9	1.8	2.1	1.9	1.7	1.9	1.7
Surface Coating Operations	2.1	0.7	3.7	2.8	4.2	1.1	1.2	1.2	1.3	2.5	6.0	6.9	8.2	8.1	13.2	13.0	17.0	18.0
Misc. Indust. Processes	0.0	0.1	0.2	0.3	0.6	1.1	1.5	1.9	2.8	4.1	6.2	7.4	8.1	18.4	13.7	13.1	19.2	17.9
- Carbon Black Mfg.	0.0	0.0	0.0	0.1	0.4	1.0	1.8	2.0	3.0	3.1	4.6	2.6	2.6	2.0	1.4	0.6	0.6	0.5
SOLID WASTE DISPOSAL (Total)	2.7	2.9	3.2	3.3	3.3	3.3	3.4	3.4	3.4	4.6	4.9	6.2	7.0	8.4	9.4	5.1	4.7	4.2
Incineration	1.7	1.8	1.9	1.8	1.8	1.7	1.6	1.6	1.5	1.9	2.0	2.1	2.4	2.8	2.6	2.4	2.3	2.1
Open Burning	1.0	1.1	1.3	1.4	1.6	1.7	1.8	1.8	1.9	2.6	2.9	4.1	4.6	5.7	6.8	2.7	2.3	2.1
MISCELLANEOUS OTHER SOURCES (Total). .	17.7	13.5	20.4	21.5	22.5	24.0	25.8	26.4	29.4	29.7	33.4	32.5	35.2	29.8	29.9	30.4	25.9	24.8
Wildfires	0.1	0.1	0.1	0.1	0.0	0.0	0.2	0.3	1.2	NA	0.9	0.3	2.2	0.8	1.4	9.1	3.5	4.2
Prescribed Fires	5.9	5.9	5.9	5.9	5.8	5.9	6.0	5.9	7.3	7.3	9.5	8.5	9.5	8.2	7.1	7.1	6.6	6.8
Other Burning	10.0	5.6	12.1	13.0	13.9	15.1	16.5	16.9	17.5	17.2	17.1	16.3	15.2	11.4	9.2	3.2	2.8	2.6
Organic Solvent Evaporation	1.7	2.0	2.3	2.5	2.8	2.9	3.1	3.3	3.4	5.3	5.9	7.4	8.3	9.4	12.2	10.9	13.0	11.2
TOTAL (ALL SOURCE CATEGORIES)	41.5	37.3	48.1	49.9	55.3	57.9	65.7	66.3	78.4	83.0	126.4	129.2	152.3	160.3	164.6	157.7	165.1	153.3

ACTIVITY INDICATORS 1900-1980 FOR STATE OF UTAH

SOURCE CATEGORY	1900	1905	1910	1915	1920	1925	1930	1935	1940	1945	1950	1955	1960	1965	1970	1975	1980
BITUMINOUS COAL (1000 TONS)	561.6	859.2	1191.1	1627.9	1803.1	2077.7	2064.9	1638.4	1739.5	2214.3	2438.0	2329.0	1143.0	707.0	1073.0	2543.0	5888.0
ANTHRACITE COAL (1000 TONS)	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
RESIDUAL OIL (1000 BBL)	-3.0	-3.0	-3.0	-3.0	-3.0	146.3	140.5	141.0	151.0	196.0	2895.0	3739.0	5183.0	5400.0	4599.0	4661.0	3418.0
DISTILLATE OIL (1000 BBL)	-3.0	-3.0	-3.0	-3.0	-3.0	40.6	58.3	86.0	108.0	398.0	470.0	1099.0	1178.0	1501.0	1790.0	4225.0	2196.0
NATURAL GAS (10E6 CU. FT.)	-4.0	-4.0	-2.0	-2.0	-2.0	-2.0	4045.0	10325.5	16563.0	30097.0	28124.0	58661.0	75677.0	121724.0	121937.0	124160.0	215461.0
WOOD (1000 TONS)	318.3	302.4	289.7	276.9	264.2	251.5	238.8	229.2	222.8	206.9	191.0	153.0	129.0	114.0	134.0	174.0	324.0
HIGHWAY VEHICLES																	
GASOLINE (1000 GAL)	-1.0	-1.0	-1.0	-1.0	-1.0	30218.0	57523.0	67012.0	101218.0	102407.0	192222.0	243349.0	321079.0	393191.0	-1.0	-1.0	-1.0
DIESEL (1000 GAL)	-1.0	-1.0	-1.0	-1.0	-1.0	-1.0	-1.0	-1.0	-1.0	-1.0	16422.0	18732.0	20916.0	41748.0	69846.0	72408.0	109578.0
VMT (10E6 MILES)	-1.0	-1.0	-1.0	-1.0	-1.0	-1.0	-1.0	-1.0	-1.0	-1.0	-1.0	-1.0	-1.0	-1.0	6108.0	7942.0	10845.0
MISCELLANEOUS																	
RAILROADS-COAL (1000 TONS)	336.7	521.2	695.1	822.0	912.4	733.3	611.4	462.8	485.5	662.1	361.0	117.0	25.0	12.0	6.0	0.0	0.0
RAILROADS-OIL (1000 BBL)	-1.0	-1.0	-1.0	-1.0	-1.0	333.5	313.6	257.0	285.0	591.0	2744.0	2014.0	1976.0	1654.0	1719.0	2138.0	2329.0
COKE PL (1000 TONS COAL)	244.8	322.5	458.1	496.7	570.9	468.8	557.7	538.5	1085.7	1526.5	1779.0	2257.0	2280.0	1890.0	1937.0	1971.0	1464.0
VES FUEL OIL (1000 BBL)	-1.0	-1.0	-1.0	-1.0	-1.0	-1.0	-1.0	-1.0	-1.0	-1.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
CEMENT PL (1000 TONS)	13.0	-1.0	153.0	118.0	206.0	-1.0	-1.0	-1.0	-1.0	-1.0	214.0	291.0	360.0	371.0	412.0	522.0	558.0
POPULATION (1000's)	277.0	325.0	373.0	411.0	449.0	478.5	508.0	529.0	550.0	619.5	689.0	790.0	891.0	975.0	1059.0	1236.0	1645.0
FOREST FIRES (1000 ACRES)	0.9	0.9	0.9	1.0	0.1	0.2	1.8	2.4	10.8	-1.0	11.2	2.0	18.0	4.8	7.5	60.6	27.8
CRUDE OIL PROD. (1000 BBL)	0.0	0.0	0.0	0.0	0.0	0.0	12.0	7.0	3.0	0.0	1228.0	2227.0	37594.0	25298.0	23370.0	42301.0	24978.0
CRUDE OIL RUN (1000 BBL)	159.9	338.5	518.0	706.4	1113.0	1919.2	2256.7	2427.0	3215.0	5780.0	17234.0	27881.0	30413.0	33176.0	39409.0	42727.0	44335.0
OFF-HIGHWAY VEH. (1000 BBL)	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	193.0	235.0	341.0	478.0	627.0	775.0	707.0
LAND AREA (1000 SQ.MI.)	82.1																

NOTE:Negative number indicates missing datum;see footnote at end of table

VERMONT VOC EMISSIONS (1000 METRIC TONS)

SOURCE CATEGORY	1900	1905	1910	1915	1920	1925	1930	1935	1940	1945	1950	1955	1960	1965	1970	1975	1980	1985
TRANSPORTATION (Total)	0.6	1.0	1.4	2.1	4.0	6.7	10.8	11.3	15.0	11.7	19.0	20.1	23.9	24.0	28.1	22.2	19.2	16.8
Highway Vehicles	0.0	0.0	0.1	0.7	2.5	5.4	9.7	10.5	14.1	10.1	17.4	18.9	22.3	22.5	26.7	21.1	16.7	14.4
Aircraft	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.1	0.3	0.4	0.5	0.9	0.5	0.4	0.4	0.4
Railroads- Oil-fired	NA	NA	NA	NA	NA	0.0	0.0	0.0	0.0	0.0	0.1	0.2	0.3	0.1	0.1	0.1	0.1	0.1
- Coal-fired	0.6	1.0	1.2	1.4	1.5	1.2	1.1	0.8	0.9	1.4	0.6	0.1	0.0	0.0	0.0	0.0	0.0	0.0
Vessels- Oil-fired	NA	NA	NA	NA	NA	0.0	0.0	0.0	0.0	-0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
-Coal-fired	NA	NA	NA	NA	NA	NA	NA	NA	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Other Off-Highway Use	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	0.6	0.5	0.7	0.5	0.7	0.6	2.0	1.9
EXTERNAL FUEL COMBUSTION (Total) . . .	50.9	50.1	48.2	46.1	43.3	38.6	34.0	30.2	27.2	23.5	16.3	12.9	9.9	6.7	4.3	4.4	13.0	15.7
Anthracite Coal	4.2	5.5	5.8	6.0	6.0	4.4	3.0	2.2	1.9	2.2	0.6	0.4	0.1	0.0	0.0	0.0	0.0	0.0
Bituminous Coal	0.5	0.7	0.9	1.1	1.1	1.1	0.9	0.6	0.6	0.6	0.0	0.1	0.0	0.0	0.0	0.0	0.0	0.0
Residual Oil	NA	NA	NA	NA	NA	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Distillate Oil	NA	NA	NA	NA	NA	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.1	0.1	0.1	0.0	0.0
Natural Gas	NA	NA	-0.0	-0.0	-0.0	-0.0	-0.0	-0.0	-0.0	-0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Wood	46.2	43.8	41.4	39.0	36.2	33.1	30.1	27.3	24.6	20.6	15.6	12.4	9.8	6.6	4.1	4.3	12.9	15.6
Coke and Other Fuels	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
INDUSTRIAL PROCESSES (Total)	0.8	1.0	1.1	1.3	2.0	3.2	4.6	5.0	6.4	6.9	9.7	8.8	9.8	14.4	14.3	13.8	15.0	14.4
Petroleum Refinery Process Operations	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Manufacture of Petrochemicals	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.1	0.2	0.3	0.4	0.7	1.2	1.5	1.7	1.8
Petrol. Production- Crude Oil	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
- Nat.Gas Liquids	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Petrol. Marketing - Gasoline	0.0	0.0	0.0	0.1	0.3	0.7	1.3	1.3	1.7	1.3	2.2	1.9	2.7	2.9	3.8	4.4	3.7	3.4
- Other Prod.	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	0.2	0.2	0.4	0.5	0.4	0.5	0.5	0.5
Surface Coating Operations	0.8	0.8	0.8	0.8	0.8	0.8	0.8	0.8	0.8	1.5	1.6	1.6	1.6	1.7	2.6	2.1	2.6	2.8
Misc. Indust. Processes	0.0	0.1	0.2	0.3	0.5	0.8	1.1	1.3	1.9	2.4	3.4	3.6	3.6	7.9	5.7	5.1	6.2	5.8
- Carbon Black Mfg.	0.0	0.0	0.0	0.1	0.4	0.8	1.4	1.5	2.0	1.6	2.2	1.2	1.1	0.8	0.6	0.2	0.2	0.2
SOLID WASTE DISPOSAL (Total)	3.3	3.2	3.0	2.8	2.6	2.5	2.4	2.3	2.2	2.7	2.7	3.0	3.1	3.6	3.9	2.0	1.5	1.4
Incineration	2.1	2.0	1.8	1.6	1.4	1.3	1.1	1.1	1.0	1.1	1.1	1.0	1.0	1.2	1.1	0.9	0.8	0.7
Open Burning	1.2	1.2	1.2	1.2	1.2	1.2	1.2	1.2	1.2	1.6	1.6	2.0	2.0	2.4	2.8	1.1	0.8	0.7
MISCELLANEOUS OTHER SOURCES (Total). .	4.1	8.6	4.4	4.4	4.6	4.6	5.7	5.0	5.4	6.1	6.3	6.4	6.5	6.3	7.0	5.5	5.4	4.8
Wildfires	0.2	0.2	0.2	0.1	0.2	0.0	0.9	0.2	0.4	0.2	0.1	0.0	0.0	0.1	0.0	0.1	0.1	0.1
Prescribed Fires	0.7	0.7	0.7	0.7	0.7	0.7	0.7	0.7	0.8	0.8	1.1	1.0	1.1	0.9	0.8	0.8	0.8	0.8
Other Burning	1.1	5.6	1.4	1.5	1.6	1.7	1.9	1.9	2.0	1.9	1.9	1.8	1.7	1.3	1.0	0.4	0.3	0.3
Organic Solvent Evaporation	2.1	2.2	2.2	2.2	2.2	2.2	2.2	2.2	2.2	3.2	3.2	3.6	3.6	4.0	5.1	4.2	4.2	3.6
TOTAL (ALL SOURCE CATEGORIES)	59.7	63.8	58.1	56.8	56.6	55.6	57.4	53.8	56.3	50.9	54.0	51.2	53.1	55.1	57.6	47.9	54.0	53.1

ACTIVITY INDICATORS 1900-1980 FOR STATE OF VERMONT

SOURCE CATEGORY	1900	1905	1910	1915	1920	1925	1930	1935	1940	1945	1950	1955	1960	1965	1970	1975	1980
BITUMINOUS COAL (1000 TONS)	311.7	443.5	567.3	703.9	726.6	728.7	617.2	460.3	503.1	584.8	0.0	87.0	42.0	45.0	55.0	10.0	13.0
ANTHRACITE COAL (1000 TONS)	1284.2	1739.6	1876.3	1967.0	1984.4	1481.9	515.7	389.7	648.4	695.3	237.0	150.0	29.0	11.0	21.0	6.0	11.0
RESIDUAL OIL (1000 BBL)	-3.0	-3.0	-3.0	-3.0	-3.0	48.8	45.0	44.0	82.0	74.0	298.0	280.0	498.0	925.0	902.0	416.0	472.0
DISTILLATE OIL (1000 BBL)	-3.0	-3.0	-3.0	-3.0	-3.0	245.4	358.2	534.0	627.0	532.0	1006.0	741.0	3439.0	4854.0	5745.0	4220.0	3242.0
NATURAL GAS (10E6 CU. FT.)	-4.0	-4.0	-2.0	-2.0	-1.0	-1.0	-1.0	-1.0	-1.0	-1.0	0.0	0.0	0.0	0.0	3986.0	5739.0	10796.0
WOOD (1000 TONS)	883.3	839.2	803.8	768.5	733.2	697.8	662.5	636.0	618.3	574.2	530.0	493.0	462.0	403.0	376.0	384.0	809.0
HIGHWAY VEHICLES																	
GASOLINE (1000 GAL)	-1.0	-1.0	-1.0	-1.0	-1.0	24828.0	45265.0	50344.0	68661.0	51817.0	93370.0	114465.0	130122.0	157952.0	-1.0	-1.0	-1.0
DIESEL (1000 GAL)	-1.0	-1.0	-1.0	-1.0	-1.0	-1.0	-1.0	-1.0	-1.0	-1.0	378.0	546.0	2016.0	4872.0	10248.0	18060.0	29358.0
VMT (10E6 MILES)	-1.0	-1.0	-1.0	-1.0	-1.0	-1.0	-1.0	-1.0	-1.0	-1.0	-1.0	-1.0	-1.0	-1.0	2687.0	3314.0	3700.0
MISCELLANEOUS																	
RAILROADS-COAL (1000 TONS)	150.7	216.6	268.6	296.8	327.0	271.3	233.3	182.7	204.4	304.1	131.0	27.0	3.0	0.0	0.0	0.0	0.0
RAILROADS-OIL (1000 BBL)	-1.0	-1.0	-1.0	-1.0	-1.0	3.9	3.7	3.0	2.0	8.0	43.0	118.0	201.0	63.0	66.0	31.0	47.0
COKE PL (1000 TONS COAL)	16.7	20.1	26.6	26.1	37.2	44.0	51.0	40.4	71.6	91.5	0.0	0.0	0.0	0.0	0.0	0.0	0.0
VES FUEL OIL (1000 BBL)	-1.0	-1.0	-1.0	-1.0	-1.0	2.1	2.5	2.0	1.0	-1.0	1.0	1.0	0.0	1.5	2.0	2.0	1.8
CEMENT PL (1000 TONS)	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
POPULATION (1000's)	344.0	350.0	356.0	354.0	352.0	356.0	360.0	359.5	359.0	368.5	378.0	384.0	390.0	417.0	444.0	480.0	535.0
FOREST FIRES (1000 ACRES)	1.5	1.5	1.5	0.8	1.5	0.2	7.1	1.7	3.7	1.2	0.9	0.2	0.2	0.6	0.1	0.7	0.8
CRUDE OIL PROD. (1000 BBL)	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
CRUDE OIL RUN (1000 BBL)	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
OFF-HIGHWAY VEH. (1000 BBL)	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	19.0	23.0	54.0	50.0	66.0	60.0	191.0
LAND AREA (1000 SQ.MI.)	9.3																

NOTE:Negative number indicates missing datum;see footnote at end of table

VIRGINIA VOC EMISSIONS (1000 METRIC TONS)

SOURCE CATEGORY	1900	1905	1910	1915	1920	1925	1930	1935	1940	1945	1950	1955	1960	1965	1970	1975	1980	1985
TRANSPORTATION (Total)	5.8	10.2	14.3	20.0	32.0	45.1	62.9	70.0	97.3	100.8	168.3	203.6	249.0	268.3	307.8	246.0	199.9	175.0
Highway Vehicles	0.0	0.1	0.7	3.7	12.9	27.7	46.9	56.8	82.0	74.4	144.1	177.2	226.3	238.6	282.1	220.5	173.5	149.9
Aircraft	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.1	1.1	2.7	3.9	5.4	9.2	5.7	4.5	4.3	4.5
Railroads- Oil-fired	NA	NA	NA	NA	NA	0.1	0.1	0.1	0.1	0.5	2.1	2.9	2.8	4.1	5.4	3.6	4.6	3.3
- Coal-fired	5.8	10.1	13.6	16.3	19.1	16.8	15.2	12.5	14.2	21.9	11.8	3.6	0.5	0.0	0.0	0.0	0.0	0.0
Vessels- Oil-fired	NA	NA	NA	NA	NA	0.5	0.7	0.6	0.6	2.6	1.6	7.7	7.3	6.9	1.0	8.9	8.5	8.8
-Coal-fired	NA	NA	NA	NA	NA	NA	NA	NA	0.4	0.3	0.3	0.2	0.2	0.2	0.1	0.0	0.0	0.0
Other Off-Highway Use	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	5.7	8.0	6.5	9.3	13.5	8.6	9.0	8.5
EXTERNAL FUEL COMBUSTION (Total) . . .	352.9	336.1	319.3	302.3	281.5	258.2	235.7	214.2	194.9	167.7	128.3	96.4	74.9	55.8	38.3	36.3	79.5	95.9
Anthracite Coal	0.4	0.5	0.5	0.5	0.5	0.4	0.5	0.4	0.3	0.4	0.3	0.2	0.1	0.1	0.0	0.0	0.0	0.0
Bituminous Coal	2.1	3.5	4.8	6.3	6.7	6.9	7.3	6.8	8.3	11.0	9.4	5.9	5.1	3.1	1.6	0.5	0.5	0.6
Residual Oil	NA	NA	NA	NA	NA	0.0	0.0	0.0	0.0	0.0	0.1	0.1	0.1	0.1	0.4	0.5	0.3	0.1
Distillate Oil	NA	NA	NA	NA	NA	0.0	0.0	0.0	0.0	0.0	0.0	0.1	0.1	0.2	0.3	0.3	0.2	0.1
Natural Gas	NA	NA	-0.0	-0.0	-0.0	-0.0	-0.0	-0.0	-0.0	-0.0	0.1	0.3	0.4	0.5	0.6	0.5	1.2	1.1
Wood	350.0	331.6	313.5	295.0	273.9	250.7	227.8	206.9	186.2	156.2	118.4	89.8	69.1	51.7	35.5	34.5	77.2	93.9
Coke and Other Fuels	0.4	0.4	0.5	0.4	0.3	0.2	0.1	0.1	0.1	0.1	0.0	0.0	0.1	0.0	0.0	0.0	0.1	0.1
INDUSTRIAL PROCESSES (Total)	5.5	11.0	6.2	7.9	12.3	19.1	25.9	30.4	42.0	54.0	87.9	92.6	110.3	162.6	151.8	145.2	159.6	153.6
Petroleum Refinery Process Operations	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Manufacture of Petrochemicals	0.0	0.1	0.1	0.1	0.2	0.2	0.2	0.2	0.3	0.9	1.4	2.9	4.4	7.1	12.6	15.6	18.3	18.7
Petrol. Production- Crude Oil	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
- Nat.Gas Liquids	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Petrol. Marketing - Gasoline	0.0	0.0	0.1	0.5	1.8	3.8	6.1	7.1	9.7	9.2	17.7	17.6	26.7	28.9	39.8	45.6	38.1	35.2
- Other Prod.	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	1.9	3.8	4.3	7.3	4.9	5.1	5.5	4.9
Surface Coating Operations	5.5	10.1	4.7	5.0	5.3	5.5	5.6	5.9	6.2	12.3	18.7	23.1	27.9	30.0	28.1	22.8	29.2	30.8
Misc. Indust. Processes	0.0	0.7	1.2	1.7	3.2	5.6	7.1	9.0	13.9	19.9	30.0	34.1	36.3	81.3	60.0	53.7	66.4	62.2
- Carbon Black Mfg.	0.0	0.0	0.1	0.5	1.9	4.0	6.9	8.3	11.9	11.7	18.2	11.2	10.7	8.0	6.4	2.4	2.1	1.9
SOLID WASTE DISPOSAL (Total)	17.9	17.7	17.4	17.3	17.1	16.5	16.1	16.3	16.5	22.1	23.7	28.5	31.1	37.3	41.2	20.8	16.1	14.5
Incineration	11.5	10.9	10.3	9.7	9.1	8.3	7.7	7.5	7.2	9.3	9.6	9.6	10.5	12.2	11.5	9.7	8.0	7.2
Open Burning	6.4	6.8	7.1	7.6	8.0	8.2	8.4	8.8	9.3	12.8	14.1	18.9	20.6	25.1	29.7	11.1	8.1	7.3
MISCELLANEOUS OTHER SOURCES (Total). .	47.3	48.7	49.6	86.2	45.9	52.4	144.2	35.5	33.7	41.6	43.0	48.2	49.9	53.9	63.6	50.4	50.4	44.3
Wildfires	28.3	28.3	28.3	63.8	22.2	27.7	118.8	8.7	5.2	4.0	1.6	2.2	0.9	2.9	2.2	0.7	0.8	1.0
Prescribed Fires	2.8	2.8	2.8	2.8	2.8	2.8	2.8	2.9	3.5	3.6	4.6	4.1	4.6	4.0	3.4	3.5	3.2	3.3
Other Burning	4.8	5.5	5.8	6.2	6.7	7.3	7.7	8.2	8.5	8.3	8.3	7.9	7.4	5.5	4.5	1.6	1.3	1.2
Organic Solvent Evaporation	11.4	12.1	12.7	13.5	14.2	14.6	14.9	15.7	16.5	25.7	28.5	34.0	37.0	41.5	53.6	44.7	45.0	38.7
TOTAL (ALL SOURCE CATEGORIES)	429.5	423.6	406.9	433.6	388.8	391.3	484.8	366.4	384.5	386.2	451.3	469.4	515.2	577.8	602.7	498.8	505.5	483.3

ACTIVITY INDICATORS 1900-1980 FOR STATE OF VIRGINIA

SOURCE CATEGORY	1900	1905	1910	1915	1920	1925	1930	1935	1940	1945	1950	1955	1960	1965	1970	1975	1980
BITUMINOUS COAL (1000 TONS)	1367.7	2114.8	2918.6	3911.8	4247.0	4569.4	5017.5	4998.4	6857.5	10208.9	8933.0	8573.0	11051.0	13069.0	11038.0	6561.0	8710.0
ANTHRACITE COAL (1000 TONS)	111.0	150.3	162.2	170.0	171.5	128.1	84.9	64.1	106.7	128.6	111.0	61.0	18.0	39.0	10.0	30.0	11.0
RESIDUAL OIL (1000 BBL)	-3.0	-3.0	-3.0	-3.0	-3.0	708.7	758.4	904.0	1177.0	1054.0	8678.0	7264.0	5786.0	6680.0	29292.0	37459.0	20307.0
DISTILLATE OIL (1000 BBL)	-3.0	-3.0	-3.0	-3.0	-3.0	317.3	344.1	419.0	684.0	1341.0	1021.0	5098.0	14460.0	16179.0	20077.0	18027.0	13606.0
NATURAL GAS (10E6 CU. FT.)	-4.0	-4.0	-2.0	-2.0	-1.0	-1.0	-1.0	-4.0	-4.0	-4.0	13347.0	39546.0	69670.0	99659.0	136271.0	121152.0	337308.0
WOOD (1000 TONS)	6686.7	6352.3	6084.9	5817.4	5549.9	5282.5	5015.0	4814.4	4680.7	4346.3	4012.0	3575.0	3260.0	3152.0	3224.0	3094.0	4859.0
HIGHWAY VEHICLES																	
GASOLINE (1000 GAL)	-1.0	-1.0	-1.0	-1.0	-1.0	126687.0	219313.0	273202.0	400159.0	381415.0	758497.0	1058976.0	1302947.0	1593845.0	-1.0	-1.0	-1.0
DIESEL (1000 GAL)	-1.0	-1.0	-1.0	-1.0	-1.0	-1.0	-1.0	-1.0	-1.0	-1.0	16044.0	20874.0	39816.0	134652.0	169344.0	218568.0	313572.0
VMT (10E6 MILES)	-1.0	-1.0	-1.0	-1.0	-1.0	-1.0	-1.0	-1.0	-1.0	-1.0	-1.0	-1.0	-1.0	-1.0	28419.0	34641.0	38532.0
MISCELLANEOUS																	
RAILROADS-COAL (1000 TONS)	1408.1	2214.2	2988.1	3575.6	4204.9	3690.0	3348.3	2757.6	3179.3	4809.1	2642.0	821.0	167.0	0.0	0.0	0.0	0.0
RAILROADS-OIL (1000 BBL)	-1.0	-1.0	-1.0	-1.0	-1.0	64.9	61.0	50.0	85.0	313.0	1256.0	1793.0	1638.0	2427.0	3171.0	2087.0	2687.0
COKE PL (1000 TONS COAL)	727.4	972.4	1401.5	1542.3	1495.6	758.7	471.2	292.0	391.5	366.1	0.0	274.0	553.0	897.0	27.0	0.0	664.0
VES FUEL OIL (1000 BBL)	-1.0	-1.0	-1.0	-1.0	-1.0	1687.2	2003.0	1587.0	1661.0	4945.0	939.8	2203.3	1246.0	691.3	1002.6	677.3	1261.3
CEMENT PL (1000 TONS)	11.0	191.0	-1.0	-1.0	-1.0	-1.0	-1.0	-1.0	-1.0	-1.0	336.0	654.0	916.0	1130.0	39.0	40.0	79.0
POPULATION (1000's)	1854.0	1958.0	2062.0	2185.5	2309.0	2365.5	2422.0	2550.0	2678.0	2998.5	3319.0	3643.0	3967.0	4307.5	4648.0	5047.0	5706.0
FOREST FIRES (1000 ACRES)	222.6	222.6	222.6	502.0	175.0	217.9	935.6	68.5	46.5	31.3	20.7	17.6	7.4	16.3	11.8	4.9	6.4
CRUDE OIL PROD. (1000 BBL)	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	4.0	21.0	4.0	2.0	4.0	1.0	3.0	10.0
CRUDE OIL RUN (1000 BBL)	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
OFF-HIGHWAY VEH. (1000 BBL)	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	196.0	370.0	483.0	874.0	1239.0	823.0	843.0
LAND AREA (1000 SQ.MI.)	39.8																

NOTE:Negative number indicates missing datum;see footnote at end of table

WASHINGTON VOC EMISSIONS (1000 METRIC TONS)

SOURCE CATEGORY	1900	1905	1910	1915	1920	1925	1930	1935	1940	1945	1950	1955	1960	1965	1970	1975	1980	1985
TRANSPORTATION (Total)	5.2	9.1	12.9	18.9	31.6	50.7	67.4	65.4	83.9	86.6	155.0	166.2	194.0	196.8	218.9	174.5	164.2	145.6
Highway Vehicles	0.0	0.1	0.9	4.4	15.5	33.3	52.1	53.5	73.1	69.3	120.8	134.9	162.7	164.0	205.6	152.9	130.2	112.5
Aircraft	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.8	1.9	2.8	3.9	6.7	4.2	3.2	3.4	3.5
Railroads- Oil-fired	NA	NA	NA	NA	NA	3.8	3.5	2.9	1.9	3.1	4.5	2.5	2.3	2.6	1.0	3.1	3.2	2.3
- Coal-fired	5.2	8.9	12.0	14.4	16.1	12.9	10.8	8.2	8.4	11.7	6.2	2.0	0.3	0.4	0.2	0.0	0.0	0.0
Vessels- Oil-fired	NA	NA	NA	NA	NA	0.7	0.9	0.8	0.4	1.7	0.8	1.6	2.9	4.1	0.5	9.4	15.1	15.6
-Coal-fired	NA	NA	NA	NA	NA	NA	NA	NA	0.1	0.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Other Off-Highway Use	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	20.7	22.2	22.0	19.0	7.3	5.9	12.3	11.7
EXTERNAL FUEL COMBUSTION (Total) . . .	310.0	294.3	278.8	263.1	244.5	224.0	203.5	184.6	166.1	139.9	105.8	88.4	73.1	64.1	43.6	43.0	72.2	87.3
Anthracite Coal	0.0	0.0	0.0	0.0	0.0	0.0	-0.0	-0.0	-0.0	-0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Bituminous Coal	0.8	1.3	1.7	2.4	2.4	2.4	2.2	1.7	1.6	1.8	1.0	0.5	0.3	0.1	0.0	0.3	0.3	0.4
Residual Oil	NA	NA	NA	NA	NA	0.1	0.0	0.0	0.0	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1
Distillate Oil	NA	NA	NA	NA	NA	0.0	0.0	0.0	0.0	0.0	0.1	0.1	0.1	0.2	0.2	0.2	0.1	0.1
Natural Gas	NA	NA	-0.0	-0.0	-0.0	-0.0	-0.0	-0.0	-0.0	-0.0	0.0	0.0	0.4	0.6	0.6	0.7	0.9	0.8
Wood	309.2	293.0	277.0	260.7	242.0	221.5	201.3	182.9	164.5	138.0	104.7	87.7	72.2	63.2	42.6	41.7	70.7	86.0
Coke and Other Fuels	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
INDUSTRIAL PROCESSES (Total)	1.2	2.3	3.6	9.6	15.8	21.8	22.7	24.2	32.5	42.2	79.3	75.8	85.8	118.8	131.3	122.0	146.6	143.4
Petroleum Refinery Process Operations	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Manufacture of Petrochemicals	0.0	0.0	0.0	0.1	0.1	0.1	0.1	0.2	0.2	0.6	1.0	2.1	3.2	5.2	9.2	11.2	14.2	14.5
Petrol. Production- Crude Oil	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
- Nat.Gas Liquids	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Petrol. Marketing - Gasoline	0.0	0.0	0.1	0.6	2.1	4.6	6.7	6.7	8.7	8.6	14.5	13.3	19.1	20.8	29.0	31.6	28.6	26.4
- Other Prod.	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	3.6	3.8	3.6	2.6	3.2	3.0	4.0	3.6
Surface Coating Operations	1.2	1.9	2.6	7.3	9.5	8.8	3.6	3.8	4.0	8.4	23.9	23.7	26.2	25.4	41.3	36.0	46.9	49.5
Misc. Indust. Processes	0.0	0.3	0.7	1.0	1.9	3.5	4.6	5.8	9.0	13.6	21.5	24.5	26.1	59.1	44.0	38.5	51.3	48.1
- Carbon Black Mfg.	0.0	0.0	0.1	0.6	2.2	4.8	7.7	7.8	10.6	10.9	14.9	8.5	7.7	5.7	4.7	1.7	1.6	1.4
SOLID WASTE DISPOSAL (Total)	5.0	7.5	9.7	9.9	10.0	10.2	10.4	10.6	10.7	15.1	17.0	20.4	22.3	27.1	30.2	14.9	12.5	11.2
Incineration	3.2	4.6	5.7	5.6	5.3	5.1	5.0	4.8	4.7	6.4	6.9	6.9	7.5	8.9	8.4	7.0	6.2	5.6
Open Burning	1.8	2.9	4.0	4.3	4.7	5.1	5.4	5.7	6.0	8.8	10.1	13.6	14.8	18.3	21.8	7.9	6.3	5.6
MISCELLANEOUS OTHER SOURCES (Total). .	41.3	44.0	46.8	30.2	44.3	48.5	55.4	49.0	37.6	45.2	42.6	44.7	52.3	46.7	94.0	41.6	43.0	38.2
Wildfires	25.3	25.3	25.3	7.2	20.0	22.5	27.7	20.4	6.8	7.6	0.6	0.2	5.6	0.6	41.5	1.1	0.5	0.7
Prescribed Fires	4.7	4.7	4.7	4.7	4.7	4.8	4.8	4.8	5.9	5.9	7.7	6.9	7.7	6.7	5.7	5.8	5.4	5.6
Other Burning	8.1	8.9	9.8	10.6	11.2	12.2	13.3	13.7	14.2	13.9	13.8	13.2	12.3	9.3	7.4	2.6	2.3	2.1
Organic Solvent Evaporation	3.2	5.1	7.0	7.7	8.4	9.0	9.6	10.2	10.7	17.7	20.4	24.4	26.6	30.2	39.3	32.1	34.8	29.9
TOTAL (ALL SOURCE CATEGORIES)	362.7	357.2	351.8	331.6	346.2	355.2	359.4	333.7	330.8	329.0	399.7	395.6	427.6	453.5	517.9	396.0	438.4	425.7

ACTIVITY INDICATORS 1900-1980 FOR STATE OF WASHINGTON

SOURCE CATEGORY	1900	1905	1910	1915	1920	1925	1930	1935	1940	1945	1950	1955	1960	1965	1970	1975	1980
BITUMINOUS COAL (1000 TONS)	491.5	765.9	1069.8	1469.3	1533.4	1563.6	1509.1	1215.0	1295.7	1649.4	948.0	694.0	638.0	513.0	283.0	4121.0	5651.0
ANTHRACITE COAL (1000 TONS)	1.2	1.7	1.8	1.9	1.9	1.4	-1.0	-1.0	-1.0	-1.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
RESIDUAL OIL (1000 BBL)	-3.0	-3.0	-3.0	-3.0	-3.0	4065.2	3770.0	3748.0	3113.0	7123.0	7315.0	11067.0	7127.0	6682.0	8667.0	6539.0	9559.0
DISTILLATE OIL (1000 BBL)	-3.0	-3.0	-3.0	-3.0	-3.0	275.1	343.4	469.0	595.0	1730.0	1992.0	2795.0	13726.0	12540.0	14144.0	10402.0	7220.0
NATURAL GAS (10E6 CU. FT.)	-4.0	-4.0	-2.0	-2.0	-1.0	-1.0	-2.0	-2.0	-2.0	-2.0	0.0	0.0	66124.0	109446.0	149992.0	164334.0	257019.0
WOOD (1000 TONS)	5908.3	5612.9	5376.6	5140.3	4903.9	4667.6	4431.3	4254.0	4135.8	3840.4	3545.0	3492.0	3405.0	3852.0	3868.0	3738.0	4450.0
HIGHWAY VEHICLES																	
GASOLINE (1000 GAL)	-1.0	-1.0	-1.0	-1.0	-1.0	152242.0	243463.0	257351.0	356828.0	355206.0	618953.0	798641.0	933296.0	1145327.0	-1.0	-1.0	-1.0
DIESEL (1000 GAL)	-1.0	-1.0	-1.0	-1.0	-1.0	-1.0	-1.0	-1.0	-1.0	-1.0	30450.0	23772.0	31710.0	42210.0	109788.0	126714.0	231714.0
VMT (10E6 MILES)	-1.0	-1.0	-1.0	-1.0	-1.0	-1.0	-1.0	-1.0	-1.0	-1.0	-1.0	-1.0	-1.0	-1.0	20711.0	24023.0	28922.0
MISCELLANEOUS																	
RAILROADS-COAL (1000 TONS)	1248.6	1961.8	2648.0	3167.9	3530.9	2839.5	2366.0	1792.1	1880.5	2562.4	1396.0	453.0	95.0	47.0	21.0	0.0	0.0
RAILROADS-OIL (1000 BBL)	-1.0	-1.0	-1.0	-1.0	-1.0	2758.9	2593.9	2126.0	1089.0	2022.0	2631.0	1531.0	1360.0	1528.0	594.0	1813.0	1897.0
COKE PL (1000 TONS COAL)	71.4	95.7	137.7	151.2	165.5	121.6	97.7	57.6	71.6	59.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0
VES FUEL OIL (1000 BBL)	-1.0	-1.0	-1.0	-1.0	-1.0	2358.0	2799.4	2218.0	1144.0	3213.0	502.3	467.3	489.8	411.1	511.0	709.1	2239.6
CEMENT PL (1000 TONS)	0.0	-1.0	-1.0	281.0	417.0	467.0	-1.0	-1.0	-1.0	-1.0	946.0	1043.0	1146.0	1143.0	1254.0	1379.0	1572.0
POPULATION (1000's)	518.0	830.0	1142.0	1249.5	1357.0	1460.0	1563.0	1649.5	1736.0	2057.5	2379.0	2616.0	2853.0	3131.0	3409.0	3621.0	4409.0
FOREST FIRES (1000 ACRES)	198.9	198.9	198.9	56.4	157.6	177.4	217.9	160.6	61.0	60.1	7.5	1.5	45.2	3.6	226.1	7.6	4.3
CRUDE OIL PROD. (1000 BBL)	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.0	0.0	0.0	0.0	0.0
CRUDE OIL RUN (1000 BBL)	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
OFF-HIGHWAY VEH. (1000 BBL)	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	709.0	1028.0	1640.0	1787.0	673.0	569.0	1159.0
LAND AREA (1000 SQ.MI.)	66.6																

NOTE:Negative number indicates missing datum;see footnote at end of table

WEST VIRGINIA VOC EMISSIONS (1000 METRIC TONS)

SOURCE CATEGORY	1900	1905	1910	1915	1920	1925	1930	1935	1940	1945	1950	1955	1960	1965	1970	1975	1980	1985
TRANSPORTATION (Total)	3.5	6.5	9.6	13.7	21.4	28.7	39.6	41.3	55.0	53.6	79.6	81.7	91.2	91.1	90.3	75.9	64.5	56.5
Highway Vehicles	0.0	0.1	0.4	2.2	7.8	16.7	28.7	32.3	44.4	36.9	68.9	74.5	85.6	83.0	83.4	67.3	48.4	41.8
Aircraft	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.7	1.6	2.1	2.6	3.8	2.1	1.6	1.5	1.5
Railroads- Oil-fired	NA	NA	NA	NA	NA	0.0	0.0	0.0	0.1	0.0	0.2	0.9	1.9	1.2	1.7	1.8	3.0	2.2
- Coal-fired	3.5	6.5	9.2	11.4	13.7	12.0	10.9	9.0	10.1	15.6	8.4	2.6	0.4	0.0	0.0	0.0	0.0	0.0
Vessels- Oil-fired	NA	NA	NA	NA	NA	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.1	0.5	0.0	1.6	0.2	0.2
-Coal-fired	NA	NA	NA	NA	NA	NA	NA	NA	0.3	0.3	0.3	0.3	0.1	0.2	0.2	0.1	0.0	0.0
Other Off-Highway Use	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	0.2	1.3	0.6	2.4	2.8	3.6	11.4	10.8
EXTERNAL FUEL COMBUSTION (Total) . . .	91.5	88.5	87.4	84.8	80.1	74.3	66.8	59.9	56.1	50.1	39.7	30.6	21.8	16.1	11.0	11.2	25.4	30.3
Anthracite Coal	0.1	0.1	0.1	0.1	0.1	0.1	-0.0	-0.0	-0.0	-0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Bituminous Coal	2.1	3.7	5.2	7.0	7.9	8.9	8.3	6.5	7.4	8.7	8.3	6.7	3.8	3.6	2.7	2.2	1.9	2.3
Residual Oil	NA	NA	NA	NA	NA	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.1	0.0	0.0	0.0
Distillate Oil	NA	NA	NA	NA	NA	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.1	0.1	0.1
Natural Gas	NA	NA	1.8	2.1	2.0	1.3	0.3	0.7	0.7	1.0	0.8	1.1	1.0	0.9	0.8	0.7	1.0	0.9
Wood	88.4	83.7	79.2	74.5	69.2	63.3	57.5	52.3	47.0	39.4	29.9	22.0	16.5	11.3	6.8	7.6	21.8	26.5
Coke and Other Fuels	0.9	1.0	1.2	1.2	1.0	0.7	0.6	0.5	1.0	1.0	0.7	0.8	0.5	0.2	0.5	0.6	0.6	0.5
INDUSTRIAL PROCESSES (Total)	2.4	4.1	4.9	6.0	9.1	14.0	18.9	21.2	27.7	33.4	51.6	46.7	50.8	67.3	66.7	59.6	64.0	62.6
Petroleum Refinery Process Operations	0.0	0.3	0.4	0.5	0.8	1.3	1.4	1.4	1.3	1.3	1.0	0.6	0.6	0.5	0.4	0.5	0.5	0.4
Manufacture of Petrochemicals	0.0	0.0	0.1	0.1	0.1	0.2	0.2	0.2	0.2	0.6	0.9	1.5	2.1	3.0	4.7	5.7	6.2	6.4
Petrol. Production- Crude Oil	0.1	0.7	0.7	0.6	0.5	0.4	0.3	0.2	0.2	0.2	0.2	0.1	0.1	0.2	0.2	0.2	0.1	0.2
- Nat.Gas Liquids	0.0	0.1	0.1	0.1	0.1	0.1	0.1	0.0	0.0	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1
Petrol. Marketing - Gasoline	0.0	0.0	0.1	0.3	1.1	2.3	3.7	4.0	5.3	4.6	8.4	7.4	9.9	10.4	11.8	13.9	10.6	9.8
- Other Prod.	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	1.2	1.7	1.9	1.3	2.6	1.7	2.1	1.9
Surface Coating Operations	2.2	2.5	2.8	3.1	3.4	3.7	4.0	4.2	4.4	8.0	13.1	12.6	15.1	14.9	22.5	17.2	21.1	22.2
Misc. Indust. Processes	0.0	0.4	0.7	1.1	2.0	3.8	5.0	6.4	9.8	12.9	18.1	18.1	17.0	34.0	22.5	19.6	22.5	21.1
- Carbon Black Mfg.	0.0	0.0	0.1	0.3	1.1	2.4	4.2	4.7	6.5	5.8	8.7	4.7	4.0	2.9	1.9	0.7	0.6	0.5
SOLID WASTE DISPOSAL (Total)	9.3	9.9	10.3	10.6	10.8	11.1	11.5	11.6	11.7	14.4	14.3	15.1	14.6	15.6	15.5	7.6	5.5	4.9
Incineration	5.9	6.1	6.1	6.0	5.7	5.6	5.5	5.3	5.1	6.1	5.8	5.1	4.9	5.1	4.3	3.5	2.7	2.5
Open Burning	3.3	3.8	4.2	4.7	5.1	5.5	6.0	6.3	6.6	8.3	8.5	10.0	9.7	10.5	11.1	4.0	2.8	2.5
MISCELLANEOUS OTHER SOURCES (Total). .	17.6	24.5	19.8	22.5	18.2	24.0	62.8	21.7	23.8	29.6	29.8	28.4	32.0	41.0	30.5	21.8	24.0	23.0
Wildfires	7.1	7.1	7.1	8.7	3.4	8.0	45.7	3.8	4.9	5.7	4.8	3.1	7.4	17.9	5.6	2.5	6.0	7.1
Prescribed Fires	1.7	1.7	1.7	1.7	1.7	1.7	1.7	1.7	2.1	2.1	2.8	2.5	2.8	2.4	2.1	2.1	1.9	2.0
Other Burning	2.9	9.0	3.5	3.8	4.1	4.4	4.7	5.0	5.1	5.0	5.0	4.8	4.5	3.3	2.7	1.0	0.8	0.7
Organic Solvent Evaporation	5.9	6.7	7.5	8.3	9.0	9.8	10.7	11.2	11.7	16.8	17.2	18.0	17.4	17.4	20.1	16.3	15.3	13.1
TOTAL (ALL SOURCE CATEGORIES)	124.3	134.1	132.7	138.1	140.1	152.2	199.6	155.7	175.1	181.2	215.0	202.5	210.4	231.1	213.9	176.1	183.3	177.3

ACTIVITY INDICATORS 1900-1980 FOR STATE OF WEST VIRGINIA

SOURCE CATEGORY	1900	1905	1910	1915	1920	1925	1930	1935	1940	1945	1950	1955	1960	1965	1970	1975	1980
BITUMINOUS COAL (1000 TONS)	1362.6	2208.9	3162.9	4324.8	5005.9	5896.3	5753.0	4749.5	6101.6	8053.8	7844.0	9801.0	8412.0	14972.0	19315.0	29831.0	32820.0
ANTHRACITE COAL (1000 TONS)	22.9	31.0	33.4	35.0	35.3	26.4	-1.0	-1.0	-1.0	-1.0	0.0	0.0	0.0	0.0	0.0	29.0	9.0
RESIDUAL OIL (1000 BBL)	-3.0	-3.0	-3.0	-3.0	-3.0	1038.1	944.8	915.0	1115.0	1244.0	1488.0	1268.0	1448.0	2063.0	10445.0	1517.0	1466.0
DISTILLATE OIL (1000 BBL)	-3.0	-3.0	-3.0	-3.0	-3.0	54.2	67.7	90.0	106.0	260.0	582.0	715.0	843.0	1230.0	1114.0	2829.0	4642.0
NATURAL GAS (10E6 CU. FT.)	-4.0	-4.0	77067.6	94926.0	100306.2	74286.0	62882.0	47291.4	77540.0	90364.0	132461.0	159373.0	166355.0	160601.0	180959.0	158435.0	268355.0
WOOD (1000 TONS)	1688.3	1603.9	1536.4	1468.8	1401.3	1333.8	1266.3	1215.6	1181.8	1097.4	1013.0	874.0	777.0	692.0	622.0	683.0	1374.0
HIGHWAY VEHICLES																	
GASOLINE (1000 GAL)	-1.0	-1.0	-1.0	-1.0	-1.0	76315.0	134178.0	155315.0	216629.0	189140.0	360497.0	443372.0	485335.0	574531.0	-1.0	-1.0	-1.0
DIESEL (1000 GAL)	-1.0	-1.0	-1.0	-1.0	-1.0	-1.0	-1.0	-1.0	-1.0	-1.0	9912.0	10962.0	22470.0	26334.0	97020.0	74802.0	121968.0
VMT (10E6 MILES)	-1.0	-1.0	-1.0	-1.0	-1.0	-1.0	-1.0	-1.0	-1.0	-1.0	-1.0	-1.0	-1.0	-1.0	8401.0	10570.0	10746.0
MISCELLANEOUS																	
RAILROADS-COAL (1000 TONS)	848.8	1420.4	2016.2	2516.2	3004.1	2636.9	2392.5	1970.1	2271.7	3436.2	1888.0	587.0	119.0	0.0	0.0	0.0	0.0
RAILROADS-OIL (1000 BBL)	-1.0	-1.0	-1.0	-1.0	-1.0	10.4	9.8	8.0	81.0	27.0	97.0	540.0	1104.0	702.0	1017.0	1064.0	1759.0
COKE PL (1000 TONS COAL)	1561.4	2230.2	3409.1	3958.5	4416.3	3214.3	2952.8	2232.8	3752.7	4578.7	4776.0	6316.0	4038.0	5261.0	5080.0	4481.0	3694.0
VES FUEL OIL (1000 BBL)	-1.0	-1.0	-1.0	-1.0	-1.0	1.1	1.3	1.0	17.0	77.0	3.8	7.1	22.3	50.5	10.8	117.5	35.3
CEMENT PL (1000 TONS)	0.0	-1.0	-1.0	-1.0	-1.0	-1.0	-1.0	-1.0	-1.0	-1.0	324.0	374.0	594.0	681.0	727.0	621.0	721.0
POPULATION (1000's)	959.0	1090.0	1221.0	1342.5	1464.0	1596.5	1729.0	1815.5	1902.0	1954.0	2006.0	1933.0	1860.0	1802.0	1744.0	1842.0	1936.0
FOREST FIRES (1000 ACRES)	55.7	55.7	55.7	68.4	26.5	62.7	359.7	29.7	43.5	44.7	61.7	24.6	59.5	101.6	30.4	16.5	46.9
CRUDE OIL PROD. (1000 BBL)	16196.0	11578.0	10745.0	9265.0	8249.0	5763.0	5071.0	3902.0	3444.0	2879.0	2808.0	2320.0	2300.0	3530.0	3124.0	2479.0	2336.0
CRUDE OIL RUN (1000 BBL)	259.0	548.5	839.2	1144.4	1803.2	3109.4	3656.1	3932.0	3840.0	4528.0	4017.0	2225.0	2438.0	2272.0	2442.0	2666.0	2753.0
OFF-HIGHWAY VEH. (1000 BBL)	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	6.0	60.0	42.0	224.0	253.0	344.0	1069.0
LAND AREA (1000 SQ.MI.)	24.1																

NOTE:Negative number indicates missing datum;see footnote at end of table

WISCONSIN VOC EMISSIONS (1000 METRIC TONS)

SOURCE CATEGORY	1900	1905	1910	1915	1920	1925	1930	1935	1940	1945	1950	1955	1960	1965	1970	1975	1980	1985
TRANSPORTATION (Total)	5.9	9.6	13.0	19.8	38.0	62.9	98.6	92.1	117.2	106.4	171.1	191.0	229.7	232.8	263.8	196.9	153.0	133.1
Highway Vehicles	0.0	0.2	1.3	6.9	24.0	51.5	89.1	84.9	109.2	94.2	156.9	176.1	214.5	210.6	243.8	181.9	140.6	121.5
Aircraft	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.1	1.2	2.7	4.0	5.4	8.9	5.4	4.0	3.6	3.8
Railroads- Oil-fired	NA	NA	NA	NA	NA	0.1	0.1	0.0	0.1	0.4	1.2	2.0	2.2	1.5	1.9	1.5	2.1	1.5
- Coal-fired	5.9	9.4	11.7	13.0	14.0	11.3	9.4	7.1	7.3	10.2	5.4	1.8	0.3	0.4	0.2	0.0	0.0	0.0
Vessels- Oil-fired	NA	NA	NA	NA	NA	-0.0	-0.0	-0.0	0.0	0.0	0.0	0.2	0.4	0.9	0.0	1.1	0.6	0.6
-Coal-fired	NA	NA	NA	NA	NA	NA	NA	NA	0.5	0.4	0.2	0.2	0.2	0.2	0.2	0.0	0.0	0.0
Other Off-Highway Use	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	4.5	6.9	6.7	10.4	12.2	8.2	6.1	5.7
EXTERNAL FUEL COMBUSTION (Total) . . .	246.8	238.1	228.0	217.9	204.9	190.0	171.4	153.3	139.4	121.2	89.5	68.0	54.8	42.4	28.7	32.1	70.0	84.2
Anthracite Coal	3.7	4.9	5.1	5.3	5.2	3.8	1.6	1.2	1.0	1.5	1.8	0.8	0.2	0.0	0.0	0.0	0.0	0.0
Bituminous Coal	4.6	7.2	9.2	11.5	13.1	15.5	14.7	11.3	11.6	13.3	6.8	4.8	5.5	3.4	2.4	1.0	0.9	1.1
Residual Oil	NA	NA	NA	NA	NA	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.1	0.0	0.0	0.0	0.0	0.0
Distillate Oil	NA	NA	NA	NA	NA	0.0	0.0	0.0	0.0	0.0	0.1	0.1	0.2	0.3	0.3	0.4	0.2	0.1
Natural Gas	NA	NA	-0.0	-0.0	-0.0	-0.0	-0.0	-0.0	-0.0	-0.0	0.1	0.3	0.6	1.1	1.3	1.6	2.5	2.3
Wood	238.2	225.7	213.3	200.8	186.4	170.6	155.0	140.8	126.7	106.3	80.6	62.1	48.3	37.6	24.5	29.1	66.3	80.6
Coke and Other Fuels	0.4	0.3	0.3	0.3	0.2	0.0	0.0	0.0	0.0	0.1	0.1	0.1	0.0	0.0	0.0	0.0	0.0	0.0
INDUSTRIAL PROCESSES (Total)	4.8	6.0	7.2	9.8	16.6	27.8	40.3	40.9	52.7	62.8	92.3	88.8	101.3	145.6	140.9	128.4	135.9	131.1
Petroleum Refinery Process Operations	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Manufacture of Petrochemicals	0.0	0.1	0.1	0.1	0.2	0.3	0.3	0.3	0.3	1.0	1.5	2.9	4.4	6.9	11.9	14.1	15.3	15.7
Petrol. Production- Crude Oil	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
- Nat.Gas Liquids	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Petrol. Marketing - Gasoline	0.0	0.0	0.2	0.9	3.3	7.1	11.5	10.6	13.0	11.7	19.4	17.6	25.7	26.7	34.4	37.6	30.9	28.5
- Other Prod.	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	1.9	2.5	2.9	3.7	4.5	4.5	5.2	4.7
Surface Coating Operations	4.8	5.1	5.4	5.7	6.1	6.4	6.8	7.0	7.2	13.5	18.6	20.1	21.9	21.9	27.6	21.4	27.2	28.6
Misc. Indust. Processes	0.0	0.8	1.3	2.0	3.6	6.6	8.6	10.7	16.2	21.8	31.0	34.5	36.1	79.0	57.0	48.7	55.6	52.1
- Carbon Black Mfg.	0.0	0.0	0.2	1.0	3.5	7.5	13.1	12.4	15.9	14.8	19.9	11.2	10.3	7.4	5.5	2.0	1.7	1.5
SOLID WASTE DISPOSAL (Total)	20.0	19.9	19.8	19.6	19.5	19.5	19.5	19.4	19.3	24.2	24.6	28.9	31.0	36.3	39.2	18.9	13.5	12.1
Incineration	12.8	12.3	11.7	11.0	10.3	9.8	9.3	8.9	8.4	10.2	9.9	9.7	10.4	11.9	10.9	8.8	6.7	6.0
Open Burning	7.2	7.6	8.1	8.6	9.1	9.7	10.2	10.5	10.9	14.0	14.6	19.2	20.5	24.4	28.2	10.1	6.8	6.1
MISCELLANEOUS OTHER SOURCES (Total). .	34.7	37.9	37.7	28.0	83.1	76.2	99.8	34.1	37.3	46.1	47.3	51.4	62.4	54.2	63.7	48.4	47.3	42.7
Wildfires	11.5	11.5	11.5	0.2	53.9	45.2	67.0	0.2	1.5	1.6	0.2	0.5	9.1	0.8	2.0	1.0	3.4	4.1
Prescribed Fires	3.9	3.9	3.9	3.9	3.8	3.9	3.9	3.9	4.8	4.9	6.3	5.7	6.3	5.4	4.7	4.7	4.4	4.5
Other Burning	6.6	9.0	8.0	8.6	9.1	10.0	10.8	11.2	11.6	11.4	11.3	10.8	10.1	7.6	6.1	2.2	1.8	1.7
Organic Solvent Evaporation	12.7	13.6	14.4	15.3	16.2	17.2	18.1	18.7	19.4	28.2	29.5	34.4	36.9	40.3	50.9	40.5	37.7	32.4
TOTAL (ALL SOURCE CATEGORIES)	312.3	311.5	305.8	295.1	362.1	376.3	429.5	339.9	365.9	360.7	424.8	428.2	479.1	511.3	536.3	424.7	419.7	403.2

ACTIVITY INDICATORS 1900-1980 FOR STATE OF WISCONSIN

SOURCE CATEGORY	1900	1905	1910	1915	1920	1925	1930	1935	1940	1945	1950	1955	1960	1965	1970	1975	1980
BITUMINOUS COAL (1000 TONS)	3024.7	4342.6	5629.9	7186.1	8316.8	10239.9	10175.3	8307.5	9541.3	12393.5	6466.0	6932.0	11917.0	14005.0	16956.0	13822.0	16481.0
ANTHRACITE COAL (1000 TONS)	1129.5	1530.0	1650.2	1730.0	1745.3	1303.3	276.1	208.6	347.2	470.5	765.0	296.0	61.0	21.0	14.0	4.0	3.0
RESIDUAL OIL (1000 BBL)	-3.0	-3.0	-3.0	-3.0	-3.0	847.5	767.9	747.0	671.0	1080.0	944.0	972.0	3875.0	2710.0	2876.0	1780.0	1530.0
DISTILLATE OIL (1000 BBL)	-3.0	-3.0	-3.0	-3.0	-3.0	338.4	362.8	424.0	850.0	1200.0	2782.0	3414.0	19343.0	25873.0	23298.0	20819.0	11524.0
NATURAL GAS (10E6 CU. FT.)	-4.0	-4.0	-2.0	-2.0	-1.0	-1.0	-1.0	-1.0	-1.0	-1.0	15393.0	40677.0	95768.0	202058.0	320524.0	364801.0	701820.0
WOOD (1000 TONS)	4550.0	4322.5	4140.5	3958.5	3776.5	3594.5	3412.5	3276.0	3185.0	2957.5	2730.0	2470.0	2277.0	2290.0	2224.0	2609.0	4174.0
HIGHWAY VEHICLES																	
GASOLINE (1000 GAL)	-1.0	-1.0	-1.0	-1.0	-1.0	235280.0	416226.0	408233.0	532770.0	483011.0	829091.0	1059263.0	1254684.0	1474412.0	-1.0	-1.0	-1.0
DIESEL (1000 GAL)	-1.0	-1.0	-1.0	-1.0	-1.0	-1.0	-1.0	-1.0	-1.0	-1.0	14238.0	13734.0	17514.0	51114.0	150066.0	188412.0	300426.0
VMT (10E6 MILES)	-1.0	-1.0	-1.0	-1.0	-1.0	-1.0	-1.0	-1.0	-1.0	-1.0	-1.0	-1.0	-1.0	-1.0	24563.0	28584.0	31233.0
MISCELLANEOUS																	
RAILROADS-COAL (1000 TONS)	1427.0	2060.0	2567.3	2850.4	3086.9	2482.9	2068.5	1567.1	1643.4	2240.3	1221.0	396.0	83.0	41.0	19.0	0.0	0.0
RAILROADS-OIL (1000 BBL)	-1.0	-1.0	-1.0	-1.0	-1.0	46.7	43.9	36.0	69.0	239.0	725.0	1248.0	1296.0	865.0	1121.0	871.0	1237.0
COKE PL (1000 TONS COAL)	609.1	748.1	986.8	990.2	821.5	215.9	35.6	68.7	179.9	292.7	448.0	485.0	404.0	464.0	352.0	253.0	178.0
VES FUEL OIL (1000 BBL)	-1.0	-1.0	-1.0	-1.0	-1.0	-1.0	-1.0	-1.0	4.0	3.0	0.8	45.5	68.5	90.1	13.6	83.8	87.5
CEMENT PL (1000 TONS)	0.0	0.0	0.0	0.0	-1.0	-1.0	-1.0	-1.0	-1.0	-1.0	299.0	391.0	439.0	453.0	87.0	86.0	236.0
POPULATION (1000's)	2069.0	2201.5	2334.0	2483.0	2632.0	2785.5	2939.0	3038.5	3138.0	3286.5	3435.0	3693.5	3952.0	4185.0	4418.0	4579.0	4775.0
FOREST FIRES (1000 ACRES)	90.3	90.3	90.3	1.3	424.6	355.6	527.4	1.9	13.5	12.7	2.5	3.8	73.3	4.8	10.8	6.5	26.7
CRUDE OIL PROD. (1000 BBL)	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
CRUDE OIL RUN (1000 BBL)	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
OFF-HIGHWAY VEH. (1000 BBL)	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	154.0	317.0	504.0	978.0	1119.0	792.0	569.0
LAND AREA (1000 SQ.MI.)	54.5																

NOTE:Negative number indicates missing datum;see footnote at end of table

WYOMING VOC EMISSIONS (1000 METRIC TONS)

SOURCE CATEGORY	1900	1905	1910	1915	1920	1925	1930	1935	1940	1945	1950	1955	1960	1965	1970	1975	1980	1985
TRANSPORTATION (Total)	2.3	3.1	3.3	3.4	4.7	8.5	10.9	12.1	16.2	16.3	33.8	35.7	45.7	43.1	40.6	37.3	50.5	44.4
Highway Vehicles	0.0	0.0	0.1	0.6	1.9	4.2	7.1	9.1	12.7	10.8	23.7	27.4	33.1	30.9	30.2	23.4	22.5	19.5
Aircraft	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.1	0.2	0.3	0.5	0.7	0.4	0.3	0.4	0.4
Railroads- Oil-fired	NA	NA	NA	NA	NA	2.1	1.9	1.6	1.9	3.4	4.1	3.5	4.1	4.1	4.5	3.9	7.1	5.1
- Coal-fired	2.3	3.1	3.2	2.9	2.8	2.2	1.9	1.4	1.5	2.0	1.1	0.4	0.1	0.1	0.0	0.0	0.0	0.0
Vessels- Oil-fired	NA	NA	NA	NA	NA	-0.0	-0.0	-0.0	-0.0	-0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
-Coal-fired	NA	NA	NA	NA	NA	NA	NA	NA	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Other Off-Highway Use	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	4.7	4.2	8.0	7.3	5.4	9.5	20.5	19.4
EXTERNAL FUEL COMBUSTION (Total) . . .	12.4	12.1	11.6	11.1	10.5	10.4	8.9	7.8	7.1	6.3	4.7	3.5	2.8	2.4	2.1	2.0	4.4	5.2
Anthracite Coal	0.0	0.0	0.0	0.0	0.0	0.0	-0.0	-0.0	-0.0	-0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Bituminous Coal	0.8	1.1	1.2	1.3	1.3	1.3	1.2	0.8	0.8	0.8	0.5	0.4	0.5	0.5	0.5	0.6	1.1	1.3
Residual Oil	NA	NA	NA	NA	NA	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Distillate Oil	NA	NA	NA	NA	NA	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.1	0.1	0.0
Natural Gas	NA	NA	-0.0	0.0	0.2	0.8	0.2	0.2	0.2	0.2	0.2	0.3	0.3	0.3	0.5	0.4	0.3	0.3
Wood	11.6	11.0	10.4	9.8	9.1	8.3	7.6	6.9	6.2	5.2	3.9	2.7	2.0	1.5	1.0	1.0	2.9	3.6
Coke and Other Fuels	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
INDUSTRIAL PROCESSES (Total)	0.3	1.0	1.5	2.4	4.8	7.8	8.3	8.8	11.8	14.8	24.1	29.8	34.0	38.7	42.1	42.0	46.0	43.3
Petroleum Refinery Process Operations	0.0	0.7	1.1	1.4	2.2	3.4	3.9	3.9	4.6	5.7	7.1	8.6	8.9	8.9	8.9	10.3	10.9	8.5
Manufacture of Petrochemicals	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.1	0.1	0.2	0.4	0.5	0.9	1.2	1.6	1.7
Petrol. Production- Crude Oil	0.0	0.0	0.0	0.3	1.1	1.8	1.1	0.9	1.6	2.3	3.9	6.3	8.3	8.7	10.1	8.6	8.0	8.1
- Nat.Gas Liquids	0.0	0.0	0.0	0.0	0.2	0.3	0.2	0.2	0.3	0.8	1.4	3.3	4.4	5.4	7.1	6.8	7.2	7.3
Petrol. Marketing - Gasoline	0.0	0.0	0.0	0.1	0.3	0.6	0.9	1.1	1.5	1.3	2.8	2.6	3.8	3.6	4.3	4.8	5.0	4.6
- Other Prod.	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	0.7	1.4	1.1	1.2	1.2	1.5	1.6	1.4
Surface Coating Operations	0.2	0.3	0.3	0.4	0.4	0.5	0.5	0.5	0.6	1.1	2.4	2.7	2.7	3.0	4.7	4.5	5.6	5.9
Misc. Indust. Processes	0.0	0.0	0.1	0.1	0.3	0.5	0.7	0.8	1.3	1.8	2.6	2.9	3.0	6.2	4.3	4.1	5.9	5.5
- Carbon Black Mfg.	0.0	0.0	0.0	0.1	0.3	0.6	1.0	1.3	1.9	1.7	2.9	1.7	1.5	1.0	0.7	0.3	0.3	0.2
SOLID WASTE DISPOSAL (Total)	0.9	1.1	1.2	1.3	1.4	1.5	1.5	1.5	1.5	2.0	2.1	2.4	2.6	2.9	2.9	1.6	1.4	1.3
Incineration	0.6	0.7	0.7	0.8	0.8	0.7	0.7	0.7	0.7	0.8	0.8	0.8	0.9	0.9	0.8	0.7	0.7	0.6
Open Burning	0.3	0.4	0.5	0.6	0.7	0.7	0.8	0.8	0.9	1.2	1.2	1.6	1.7	1.9	2.1	0.8	0.7	0.6
MISCELLANEOUS OTHER SOURCES (Total). .	20.2	17.5	23.0	24.1	24.6	26.4	28.2	30.8	35.0	31.6	34.0	33.0	33.6	26.6	26.7	18.9	17.5	17.3
Wildfires	0.9	0.9	0.9	0.7	0.1	0.2	0.2	2.3	4.1	0.2	0.0	0.7	1.3	0.2	3.6	3.2	2.3	2.7
Prescribed Fires	6.9	6.9	6.9	6.9	6.9	7.0	7.1	7.0	8.6	8.7	11.3	10.1	11.2	9.7	8.4	8.5	7.9	8.1
Other Burning	11.8	9.0	14.3	15.4	16.4	17.9	19.5	20.0	20.7	20.4	20.2	19.3	18.0	13.5	10.9	3.8	3.3	3.0
Organic Solvent Evaporation	0.6	0.7	0.9	1.0	1.2	1.3	1.4	1.5	1.5	2.3	2.5	2.9	3.1	3.2	3.8	3.4	4.0	3.5
TOTAL (ALL SOURCE CATEGORIES)	36.0	34.8	40.7	42.4	46.1	54.5	57.8	61.1	71.7	71.1	98.7	104.4	118.7	113.6	114.6	101.8	119.8	111.4

ACTIVITY INDICATORS 1900-1980 FOR STATE OF WYOMING

SOURCE CATEGORY	1900	1905	1910	1915	1920	1925	1930	1935	1940	1945	1950	1955	1960	1965	1970	1975	1980
BITUMINOUS COAL (1000 TONS)	536.6	674.6	750.3	804.7	798.8	871.2	806.9	605.9	649.0	786.0	459.0	543.0	987.0	2207.0	3809.0	7855.0	18314.0
ANTHRACITE COAL (1000 TONS)	0.1	0.2	0.2	0.2	0.2	0.2	-1.0	-1.0	-1.0	-1.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
RESIDUAL OIL (1000 BBL)	-3.0	-3.0	-3.0	-3.0	-3.0	542.1	522.8	525.0	668.0	2601.0	1398.0	1107.0	795.0	929.0	972.0	2015.0	2127.0
DISTILLATE OIL (1000 BBL)	-3.0	-3.0	-3.0	-3.0	-3.0	27.0	34.9	48.0	111.0	971.0	696.0	1145.0	943.0	1318.0	1743.0	2725.0	4263.0
NATURAL GAS (10E6 CU. FT.)	-4.0	-4.0	-4.0	62.0	10347.6	44501.4	40219.0	10827.0	17459.0	21974.0	37764.0	51538.0	56334.0	61824.0	129621.0	87188.0	86718.0
WOOD (1000 TONS)	221.7	210.6	201.7	192.8	184.0	175.1	166.3	159.6	155.2	144.1	133.0	109.0	94.0	90.0	91.0	91.0	184.0
HIGHWAY VEHICLES																	
GASOLINE (1000 GAL)	-1.0	-1.0	-1.0	-1.0	-1.0	19032.0	32985.0	43670.0	62179.0	55271.0	121673.0	158307.0	183846.0	199567.0	-1.0	-1.0	-1.0
DIESEL (1000 GAL)	-1.0	-1.0	-1.0	-1.0	-1.0	-1.0	-1.0	-1.0	-1.0	-1.0	5754.0	8442.0	12600.0	24444.0	43302.0	65268.0	92652.0
VMT (10E6 MILES)	-1.0	-1.0	-1.0	-1.0	-1.0	-1.0	-1.0	-1.0	-1.0	-1.0	-1.0	-1.0	-1.0	-1.0	3045.0	3682.0	5008.0
MISCELLANEOUS																	
RAILROADS-COAL (1000 TONS)	548.6	680.9	709.0	628.4	611.1	491.6	409.6	310.4	326.0	444.0	242.0	79.0	17.0	8.0	4.0	0.0	0.0
RAILROADS-OIL (1000 BBL)	-1.0	-1.0	-1.0	-1.0	-1.0	1513.1	1422.6	1166.0	1134.0	2214.0	2404.0	2136.0	2378.0	2433.0	2664.0	2306.0	4167.0
COKE PL (1000 TONS COAL)	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
VES FUEL OIL (1000 BBL)	-1.0	-1.0	-1.0	-1.0	-1.0	-1.0	-1.0	-1.0	-1.0	-1.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
CEMENT PL (1000 TONS)	0.0	0.0	0.0	0.0	-1.0	-1.0	-1.0	-1.0	-1.0	-1.0	0.0	0.0	0.0	0.8	0.0	0.0	0.0
POPULATION (1000's)	93.0	119.5	146.0	170.0	194.0	210.0	226.0	238.5	251.0	271.0	291.0	310.5	330.0	331.0	332.0	382.0	509.0
FOREST FIRES (1000 ACRES)	6.7	6.7	6.7	5.8	0.7	1.3	1.7	18.2	37.1	1.7	0.3	5.5	10.6	1.0	19.4	21.3	18.1
CRUDE OIL PROD. (1000 BBL)	6.0	8.0	20.0	4246.0	16831.0	29173.0	17868.0	13755.0	25711.0	36219.0	61631.0	99483.0	133910.0	138314.0	160345.0	135943.0	126362.0
CRUDE OIL RUN (1000 BBL)	707.9	1499.1	2293.8	3127.9	4928.6	8498.6	9992.8	10747.0	13729.0	20583.0	27795.0	34332.0	37354.0	41509.0	49308.0	53459.0	55471.0
OFF-HIGHWAY VEH. (1000 BBL)	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	160.0	193.0	596.0	681.0	493.0	918.0	1921.0
LAND AREA (1000 SQ.MI.)	97.2																

NOTE:Negative number indicates missing datum;see footnote at end of table

Footnote to Tables in Appendix B

In the state activity indicator tables, negative numbers indicate missing or unavailable data. Most of the data were obtained from Gschwandtner et al.[1] which provided data for subcategories of the categories presented here. For example, for the bituminous coal combustion category, data are available for electric utilities, industrial, commercial residential sources and other sources. "-1.0" means that data for one of these subcategories are unavailable and therefore, a total could not be obtained. "-2.0" means that data for two of these subcategories is unavailable. "-3.0" means that data for three subcategories is unavailable. "-4.0" means that data for four subcategories is unavailable. This method of coding missing data was adopted in order to track such data and avoid miscalculation. This method was necessary because the original data base contained subcategory data which had to be aggregated for the purposes of this study.

In the state VOC emission tables, "NA" means that national activity data were not available. A "-0.0" indicates that state level data are unavailable, while a zero (0.0) indicates that there is actually no activity. A zero (0.0) should be interpreted as a real value.

APPENDIX C

SOURCES OF STATE LEVEL ACTIVITY DATA

Footnotes to National Activity Data
by Source Category

SOURCE CATEGORY	Year '00	'05	'10	'15	'20	'25	'30	'35	'40	'45	'50	'55	'60	'65	'70-'85
TRANSPORTATION															
Highway Vehicles	1	1	1	1	1	2	2	2	2	2	3	3	3	3	4
Aircraft	5	5	5	5	5	5	5	5	4	6	4	6	4	7	4
Railroads- Oil-fired	8	8	8	8	8	9	9	9	9	9	4	6	4	7	4
- Coal-fired	10	10	10	10	10	10	10	10	10	10	4	11	4	7	4
Vessels- Oil-fired	11	11	11	11	12	9	9	9	9	6	4	6	4	7	4
- Coal-fired	13	13	13	13	13	13	13	13	4	13	4	3	4	7	4
Other Off-Highway Use	14	14	14	14	14	14	14	14	4	14	4	14	4	7	4
EXTERNAL FUEL COMBUSTION															
Anthracite Coal	15	15	15	15	15	15	15	15	4	15	4	11	4	7	4
Bituminous Coal	16	16	16	16	16	16	16	16	4	16	4	11	4	7	4
Residual Oil	11	11	11	11	11	11	11	11	4	11	4	11	4	7	4
Distillate Oil	11	11	11	11	11	17	17	17	4	17	4	6	4	7	4
Natural Gas	18	18	10	10	10	10	10	10	4	10	4	11	4	7	4
Wood	19	19	19	19	19	19	19	19	4	19	4	20	4	7	4
Coke and Other Fuels	21	21	21	21	21	21	21	21	4	21	4	6	4	7	4
INDUSTRIAL PROCESSES															
Petroleum Refinery Process Operations	23	23	23	23	23	23	23	23	4	23	4	23	4	4	4
Manufacture of Petrochemicals	24	24	24	24	24	24	24	24	4	24	4	24	4	4	4
Petrol. Production- Crude Oil	25	25	25	25	25	25	25	25	4	25	4	25	4	4	4
- Nat. Gas Liquids	26	26	26	26	26	26	26	26	4	26	4	26	4	4	4
Petrol. Marketing - Gasoline	27	27	27	27	27	27	27	27	4	27	4	27	4	4	4
- Other Prod.	26	26	26	26	26	26	26	26	4	26	4	26	4	4	4
Surface Coating Operations	28	28	28	28	28	28	28	28	4	28	4	28	4	4	4
Misc. Indust. Processes	26	26	26	26	26	26	26	26	4	26	4	26	4	4	4
- Carbon Black Mfg.	29	29	29	29	29	29	29	29	4	29	4	29	4	4	4
SOLID WASTE DISPOSAL															
Incineration	28	28	28	28	28	28	28	28	4	28	4	28	4	4	4
Open Burning	18	18	18	18	18	18	18	18	4		4		4	4	4
MISCELLANEOUS OTHER SOURCES															
Wildfires	30	30	30	31	11	11	11	11	11	11	11	11	11	11	22
Prescribed Fires	32	32	32	32	32	32	32	32	4	11	4	11	4	4	4
Other Burning	28	28	28	28	28	28	28	28	4	28	4	28	4	4	4
Organic Solvent Evaporation	28	28	28	28	28	28	28	28	4	28	4	28	4	4	4

1. Based on automobile registration,

   i.e., $HV_i = HV_{1925} \times \frac{Reg_i}{Reg_{1925}}$

2. Taken from Reference 3.

3. National VMT reported in unpublished 1965 Trends x Average miles per gallon reported in Reference 1.

4. Taken from Reference 2.

5. Best guess based on first flight in 1904 and gradual development of aircraft industry.

6. Linear interpolation of available study years.

7. Unpublished 1965 Trends.

8. Based on 17.9% of all oil used by railroads in 1919 reported in Reference 4.

9. Reference 4, page 113.

10. Reference 5 and 6.

11. Reference 1, Volume I.

12. 1919 data reported in Reference 4.

13. Included in Bituminous Coal Category, External Combustion.

14. Assumed 12% of total motor fuel use.

15. Reference 4, pages 508-509.

16. Obtained from Rudolf B. Husar, Washington University and reported in Reference 1, Volume I.

17. Total residual oil plus distillate oil was estimated based on crude oil refinery input converted to oil, minus the residual portion obtained from Reference 1, Volume I.

18. Best guess

19. Reference 4, pages 508-509. Converted to tons.

20. Value in Trends, 1960 times the Value in Reference 1, 1955 divided by the Value in Reference 1, 1960.

21. Assume 17% of coal consumed by coke plants for 1900 to 1935. Assume 8% in 1945, and 20% in 1955.

22. Taken from Reference 1, Volume II for all years except 1985 which is taken from Reference 2.

23. $\text{Petrol. Ref.}_i = \text{Petrol. Ref. 1940} \times \frac{\text{Crude Run}_i}{\text{Crude Run 1940}}$

For 1945, base year is 1950 and for 1955, base year is 1960. Crude oil run data are available from the American Petroleum Institute to 1935. For earlier years, national crude oil run was estimated based on the ratio of crude oil run to crude oil production in 1935. For example,

$$\text{Crude Run}_i = \text{Crude Run}_{1935} \times \frac{\text{Crude Pro.}_{1940}}{\text{Crude Prod.}_i}$$

24. Apportioned based on crude oil run per capita.

25. Taken from Reference 3, American Petroleum Institute.

26. Apportionment similar to footnote 23 based on crude oil production.

27. Apportionment based on gasoline consumption by highway vehicles.

28. Apportionment based on population.

29. Apportionment based on VMT.

30. Average of five years (1916 to 1920). Maximum activity indicator based on largest acreage burned in any one year from 1916 to 1920 inclusive. Least activity indicator is based on smallest acreage burned.

31. 1916 data.

32. Estimated to be nearly constant over time.

APPENDIX D

ILLUSTRATIVE FACTOR UNCERTAINTY ESTIMATES OF HISTORIC VOC EMISSIONS

TABLE D-1. ACTIVITY UNCERTAINTY (percent)

SOURCE CATEGORY	1900	1905	1910	1915	1920	1925	1930	1935	1940	1945	1950	1955	1960	1965	1970	1975	1980	1985
TRANSPORTATION																		
Highway Vehicles - (10E9 VMT)	50	50	50	50	50	25	25	25	25	25	25	25	25	25	25	25	25	25
- (10E6 gallons)	50	50	50	50	50	25	25	25	25	25	25	25	25	25	25	25	25	25
Aircraft (1000 LTO)	250	250	250	250	250	250	250	25	25	100	25	100	25	25	25	25	25	25
Railroads-Oil (10E6 gallons)	125	125	125	125	125	25	25	25	25	25	25	25	25	25	25	25	25	25
-Coal (1000 tons)	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25
Vessels -Oil (10E6 gallons)	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25
-Coal (1000 tons)	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25
Other Off-Highway Use (10E6 gallons)	125	125	125	125	125	125	125	125	25	25	25	25	25	25	25	25	25	25
EXTERNAL FUEL COMBUSTION																		
Anthracite Coal Combustion (1000 tons)	15	15	15	15	15	15	15	15	15	15	15	15	15	15	15	15	15	15
Bituminous Coal Combustion (1000 tons)	15	15	15	15	15	15	15	15	15	15	15	15	15	15	15	15	15	15
Residual Oil (10E6 gal.)	15	15	15	15	15	15	15	15	15	15	15	15	15	15	15	15	15	15
Distillate Oil (10E6 gal.)	15	15	15	15	15	15	15	15	15	15	15	15	15	15	15	15	15	15
Natural Gas (10E9 cu.ft.)	150	150	15	15	15	15	15	15	15	15	15	15	15	15	15	15	15	15
Wood (1000 tons)	15	15	15	15	15	15	15	15	15	15	15	15	15	15	15	15	15	15
Coke and Other Fuels (mixed units)	150	150	150	150	150	150	150	150	150	150	150	150	15	15	15	15	15	15
INDUSTRIAL PROCESSES																		
Petrol. Ref. Process Oper. (10E6 bbl)	30	30	30	30	30	30	30	30	15	60	15	15	15	15	15	15	15	15
Mfg. of Petrochemicals (1000 tons)	30	30	30	30	30	30	30	30	15	60	15	15	15	15	15	15	15	15
Petrol. Production- Crude (10E6 bbl)	30	30	30	30	30	30	30	30	15	60	15	15	15	15	15	15	15	15
- Nat. Gas Liquids (10E6 gal)	30	30	30	30	30	30	30	30	15	60	15	15	15	15	15	15	15	15
Petrol. Marketing - Gasoline(10E6 bbl)	30	30	30	30	30	30	30	30	15	60	15	15	15	15	15	15	15	15
- Other (10E6 bbl)	30	30	30	30	30	30	30	30	15	60	15	15	15	15	15	15	15	15
Surface Coating Operations (1000 tons)	30	30	30	30	30	30	30	30	15	60	15	15	15	15	15	15	15	15
Misc. Indust. Processes (1000 tons)	30	30	30	30	30	30	30	30	15	60	15	15	15	15	15	15	15	15
- Carbon Black Mfg. (1000 tons)	30	30	30	30	30	30	30	30	15	60	15	15	15	15	15	15	15	15
SOLID WASTE DISPOSAL																		
Incineration (10E6 tons)	50	50	50	50	50	50	50	50	25	25	25	25	25	25	25	25	25	25
Open Burning (10E6 tons)	250	250	250	250	250	250	250	250	25	25	25	25	25	25	25	25	25	25
MISCELLANEOUS OTHER SOURCES																		
Wildfires- Contiguous U.S. (1000 acres)	125	125	125	125	25	25	25	25	25	25	25	25	25	25	25	25	25	25
Prescribed Fires (1000 acres)	250	250	250	250	250	250	250	250	25	25	25	25	25	25	25	25	25	25
Other Burning (1000 tons)	50	50	50	50	50	50	50	50	25	25	25	25	25	25	25	25	25	25
Organic Solvent Evapor. (1000 Mt)	50	50	50	50	50	50	50	50	25	25	25	25	25	25	25	25	25	25

TABLE D-2. EMISSION FACTOR UNCERTAINTY (percent)

SOURCE CATEGORY	1900	1905	1910	1915	1920	1925	1930	1935	1940	1945	1950	1955	1960	1965	1970	1975	1980	1985
TRANSPORTATION																		
Highway Vehicles (Mt/10E6 VMT)	0	0	0	0	0	0	0	0	120	100	80	100	70	60	50	50	50	50
Highway Vehicles (Mt/10E6 gal.)	292	274	257	236	210	188	176	158	120	100	80	100	70	60	50	50	50	50
Aircraft (Mt/1000 LTO)	1120	930	729	600	477	339	263	220	120	100	80	100	70	60	50	50	50	50
Railroads-Oil (Mt/10E6 gal.)	465	419	396	324	290	260	216	169	120	100	80	100	70	60	50	50	50	50
-Coal (Mt/1000 tons)	120	120	120	120	120	120	120	120	120	100	80	100	70	60	50	50	50	50
Vessels -Oil (Mt/10E6 gal.)	3370	2733	2220	1808	1308	1046	764	646	120	100	80	100	70	60	50	50	50	50
-Coal (Mt/1000 tons)	120	120	120	120	120	120	120	120	120	100	80	100	70	60	50	50	50	50
Other Off-Highway Use (Mt/1000 gal.)	187	179	169	159	151	144	136	130	120	100	80	100	70	60	50	50	50	50
EXTERNAL FUEL COMBUSTION																		
Anthracite Coal (Mt/1000 tons)	656	595	531	478	424	375	317	264	240	200	160	200	140	120	100	100	100	100
Bituminous Coal (Mt/1000 tons)	687	617	545	486	440	395	358	310	240	200	160	200	140	120	100	100	100	100
Residual Oil (Mt/10E6 gal.)	240	240	240	240	240	240	240	240	240	200	160	200	140	120	100	100	100	100
Distillate Oil (Mt/10E6 gal.)	240	240	240	240	240	240	240	240	240	200	160	200	140	120	100	100	100	100
Natural Gas (Mt/10E9 cu.ft.)	960	892	816	727	630	522	428	313	240	200	160	200	140	120	100	100	100	100
Wood (Mt/1000 tons)	800	723	645	561	498	429	383	309	240	200	160	200	140	120	100	100	100	100
Coke and Other Fuels (mixed units)	2962	3277	3478	3554	3669	3425	2994	2580	240	200	160	200	140	120	100	100	100	100
INDUSTRIAL PROCESSES																		
Petrol. Ref. Process Oper. (Mt/10E6 bbl)	711	704	652	625	598	551	467	393	240	200	160	200	140	120	100	100	100	100
Mfg. of Petrochemicals (Mt/1000 tons)	670	618	561	529	468	425	368	308	240	200	160	200	140	120	100	100	100	100
Petrol. Production- Crude (Mt/10E6 bbl)	683	628	572	517	462	406	351	295	240	200	160	200	140	120	100	100	100	100
- Nat.Gas.Liq.(Mt/10E6 gal)	240	240	240	240	240	240	240	240	240	200	160	200	140	120	100	100	100	100
Petrol. Mktg.- Gasoline(Mt/10E6 bbl)	1507	1289	1087	964	740	615	473	384	240	200	160	200	140	120	100	100	100	100
- Other (Mt/10E6 bbl)	811	781	781	790	763	739	692	598	240	200	160	200	140	120	100	100	100	100
Surface Coating Oper. (Mt/1000 tons)	240	240	240	240	240	240	240	240	240	200	160	200	140	120	100	100	100	100
Miscellaneous Other (Mt/1000 tons)	2766	2335	1892	1520	1111	1465	573	388	240	200	160	200	140	120	100	100	100	100
- Carbon Black Mfg. (Mt/1000 tons)	640	602	570	537	485	440	391	336	240	200	160	200	140	120	100	100	100	100
SOLID WASTE DISPOSAL																		
Incineration (Mt/1000 tons)	1196	1178	1137	1093	1012	887	740	522	240	200	160	200	140	120	100	100	100	100
Open Burning (Mt/1000 tons)	240	240	240	240	240	240	240	240	240	200	160	200	140	120	100	100	100	100
MISCELLANEOUS OTHER SOURCES																		
Wildfires (MT/1000 acres)	240	240	240	240	240	240	240	240	240	200	160	200	140	120	100	100	100	100
Prescribed Fires (Mt/1000 acres)	240	240	240	240	240	240	240	240	240	200	160	200	140	120	100	100	100	100
Other Burning (Mt/1000 tons)	544	508	468	428	392	356	316	280	240	200	160	200	140	120	100	100	100	100
Organic Solvent Evapor. (Mt/1000 Mt)	240	240	240	240	240	240	240	240	240	200	160	200	140	120	100	100	100	100

TABLE D-3. SOURCE CATEGORY UNCERTAINTY (percent)

SOURCE CATEGORY	1900	1905	1910	1915	1920	1925	1930	1935	1940	1945	1950	1955	1960	1965	1970	1975	1980	1985
TRANSPORTATION																		
Highway Vehicles (Mt/10E6 VMT)	50	50	50	50	50	25	25	25	124	104	85	104	75	66	56	56	56	56
Highway Vehicles (Mt/10E6 gal.)	309	291	273	251	225	192	180	162	124	104	85	104	75	66	56	56	56	56
Aircraft (Mt/1000 LTO)	2049	1706	1346	1119	902	664	539	224	124	154	85	154	75	66	56	56	56	56
Railroads-Oil (Mt/10E6 gal.)	596	541	512	426	385	265	220	173	124	104	85	104	75	66	56	56	56	56
-Coal (Mt/1000 tons)	124	124	124	124	124	124	124	124	124	104	85	104	75	66	56	56	56	56
Vessels -Oil (Mt/10E6 gal.)	3409	2764	2245	1828	1323	1058	774	654	124	104	85	104	75	66	56	56	56	56
-Coal (Mt/1000 tons)	124	124	124	124	124	124	124	124	124	104	85	104	75	66	56	56	56	56
Other Off-Highway Use (Mt/1000 gal.)	265	257	246	236	227	220	211	205	124	104	85	104	75	66	56	56	56	56
EXTERNAL FUEL COMBUSTION																		
Anthracite Coal (Mt/1000 tons)	659	598	533	480	426	377	319	265	241	201	161	201	141	121	102	102	102	102
Bituminous Coal (Mt/1000 tons)	690	620	548	489	442	397	360	311	241	201	161	201	141	121	102	102	102	102
Residual Oil (Mt/10E6 gal.)	241	241	241	241	241	241	241	241	241	201	161	201	141	121	102	102	102	102
Distillate Oil (Mt/10E6 gal.)	241	241	241	241	241	241	241	241	241	201	161	201	141	121	102	102	102	102
Natural Gas (Mt/10E9 cu.ft.)	1306	1215	819	730	633	524	430	315	241	201	161	201	141	121	102	102	102	102
Wood (Mt/1000 tons)	803	726	648	563	501	431	385	311	241	201	161	201	141	121	102	102	102	102
Coke and Other Fuels (mixed units)	4006	4431	4703	4806	4960	4631	4049	3491	357	309	263	309	141	121	102	102	102	102
INDUSTRIAL PROCESSES																		
Petrol. Ref. Process Oper. (Mt/10E6 bbl)	723	717	664	636	609	561	475	400	241	221	161	201	141	121	102	102	102	102
Mfg. of Petrochemicals (Mt/1000 tons)	681	628	571	538	477	433	376	315	241	221	161	201	141	121	102	102	102	102
Petrol. Production- Crude (Mt/10E6 bbl)	695	639	582	526	470	414	358	302	241	221	161	201	141	121	102	102	102	102
- Nat.Gas.Liq.(Mt/10E6 gal)	246	246	246	246	246	246	246	246	241	221	161	201	141	121	102	102	102	102
Petrol. Mktg.- Gasoline(Mt/10E6 bbl)	1532	1310	1105	981	753	626	482	392	241	221	161	201	141	121	102	102	102	102
- Other (Mt/10E6 bbl)	825	794	794	804	776	752	704	608	241	221	161	201	141	121	102	102	102	102
Surface Coating Oper. (Mt/1000 tons)	246	246	246	246	246	246	246	246	241	221	161	201	141	121	102	102	102	102
Miscellaneous Other (Mt/1000 tons)	2812	2374	1923	1545	1130	1489	584	396	241	221	161	201	141	121	102	102	102	102
- Carbon Black Mfg. (Mt/1000 tons)	651	612	580	546	494	448	398	343	241	221	161	201	141	121	102	102	102	102
SOLID WASTE DISPOSAL																		
Incineration (Mt/1000 tons)	1250	1232	1189	1143	1059	928	775	548	244	204	164	204	144	124	104	104	104	104
Open Burning (Mt/1000 tons)	502	502	502	502	502	502	502	502	244	204	164	204	144	124	104	104	104	104
MISCELLANEOUS OTHER SOURCES																		
Wildfires (MT/1000 acres)	326	326	326	326	244	244	244	244	244	204	164	204	144	124	104	104	104	104
Prescribed Fires (Mt/1000 acres)	502	502	502	502	502	502	502	502	244	204	164	204	144	124	104	104	104	104
Other Burning (Mt/1000 tons)	571	533	492	450	413	375	334	296	244	204	164	204	144	124	104	104	104	104
Organic Solvent Evapor. (Mt/1000 Mt)	256	256	256	256	256	256	256	256	244	204	164	204	144	124	104	104	104	104